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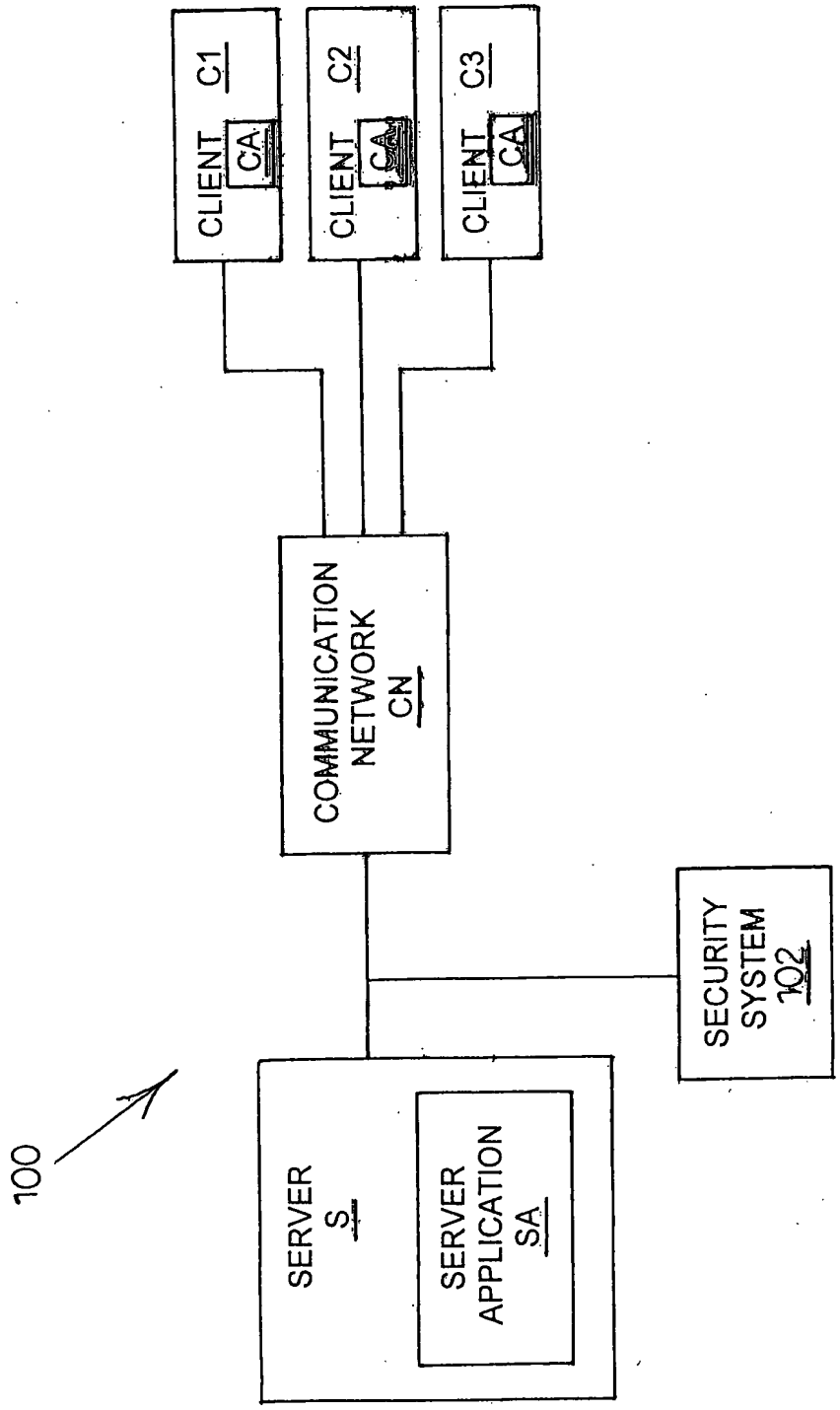


Fig. 1A

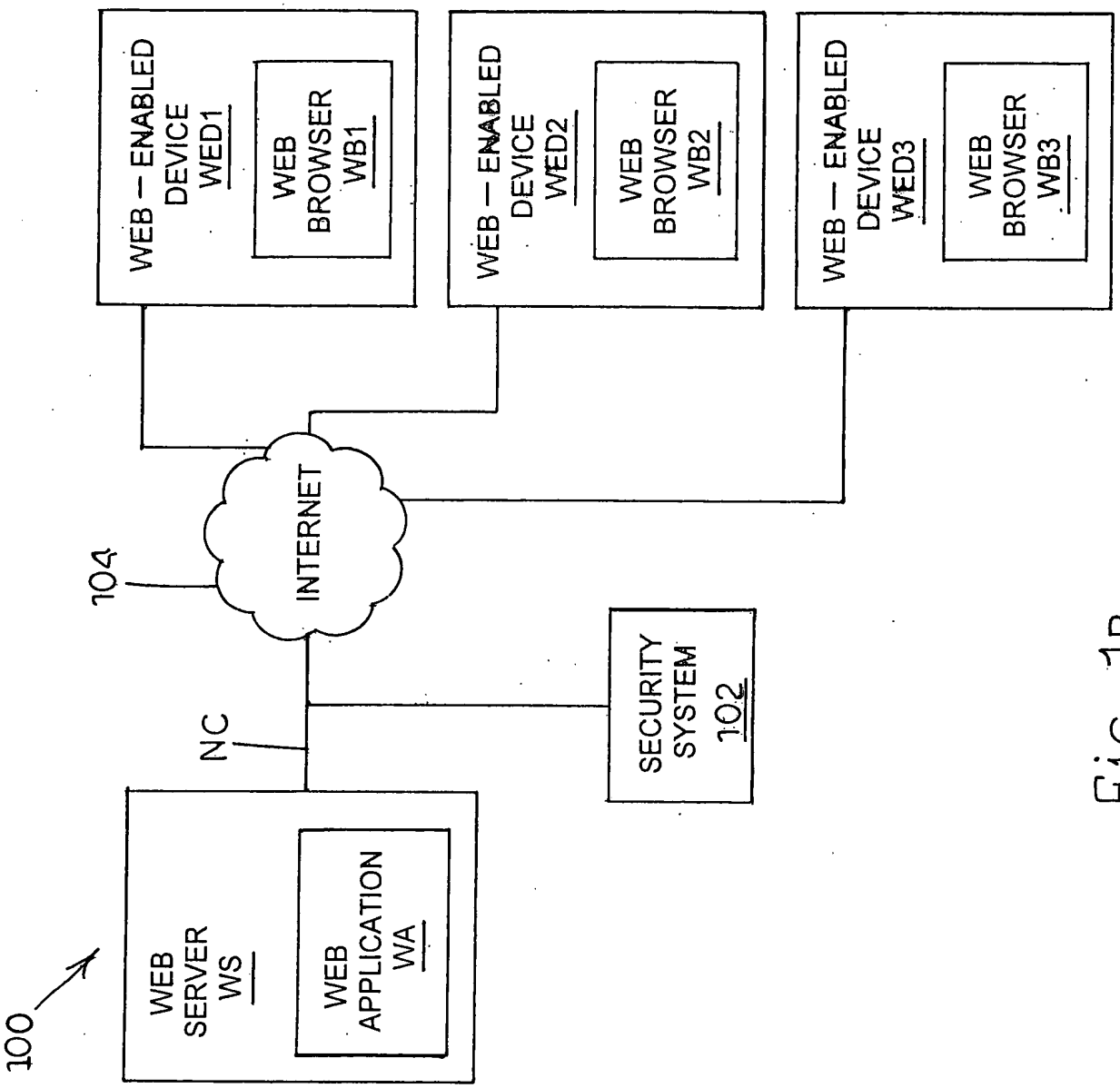

WEB – ENABLED DEVICE WED1
WEB BROWSER WB1
WEB – ENABLED DEVICE WED2
WEB BROWSER WB2
WEB – ENABLED DEVICE WED3
WEB BROWSER WB3
INTERNET
104
SECURITY SYSTEM 102
NC
WEB SERVER WS
WEB APPLICATION WA
100

Fig. 1B

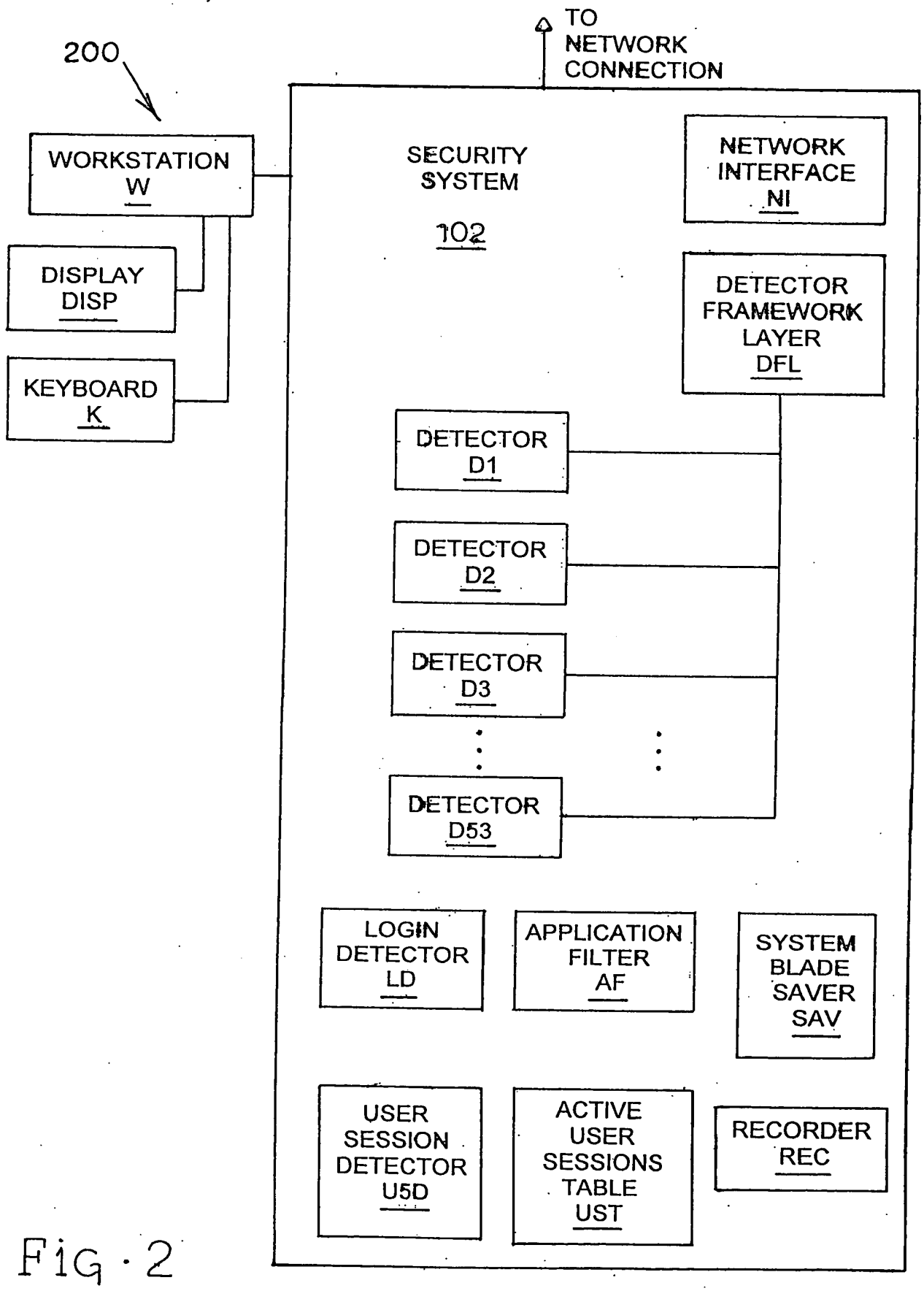

200
TO NETWORK CONNECTION
WORKSTATION W
DISPLAY DISP
KEYBOARD K
SECURITY SYSTEM 102
NETWORK INTERFACE NI
DETECTOR FRAMEWORK LAYER DFL
DETECTOR D1
DETECTOR D2
DETECTOR D3
DETECTOR D53
LOGIN DETECTOR LD
APPLICATION FILTER AF
SYSTEM BLADE SAVER SAV
USER SESSION DETECTOR U5D
ACTIVE USER SESSIONS TABLE UST
RECORDER REC

Fig. 2

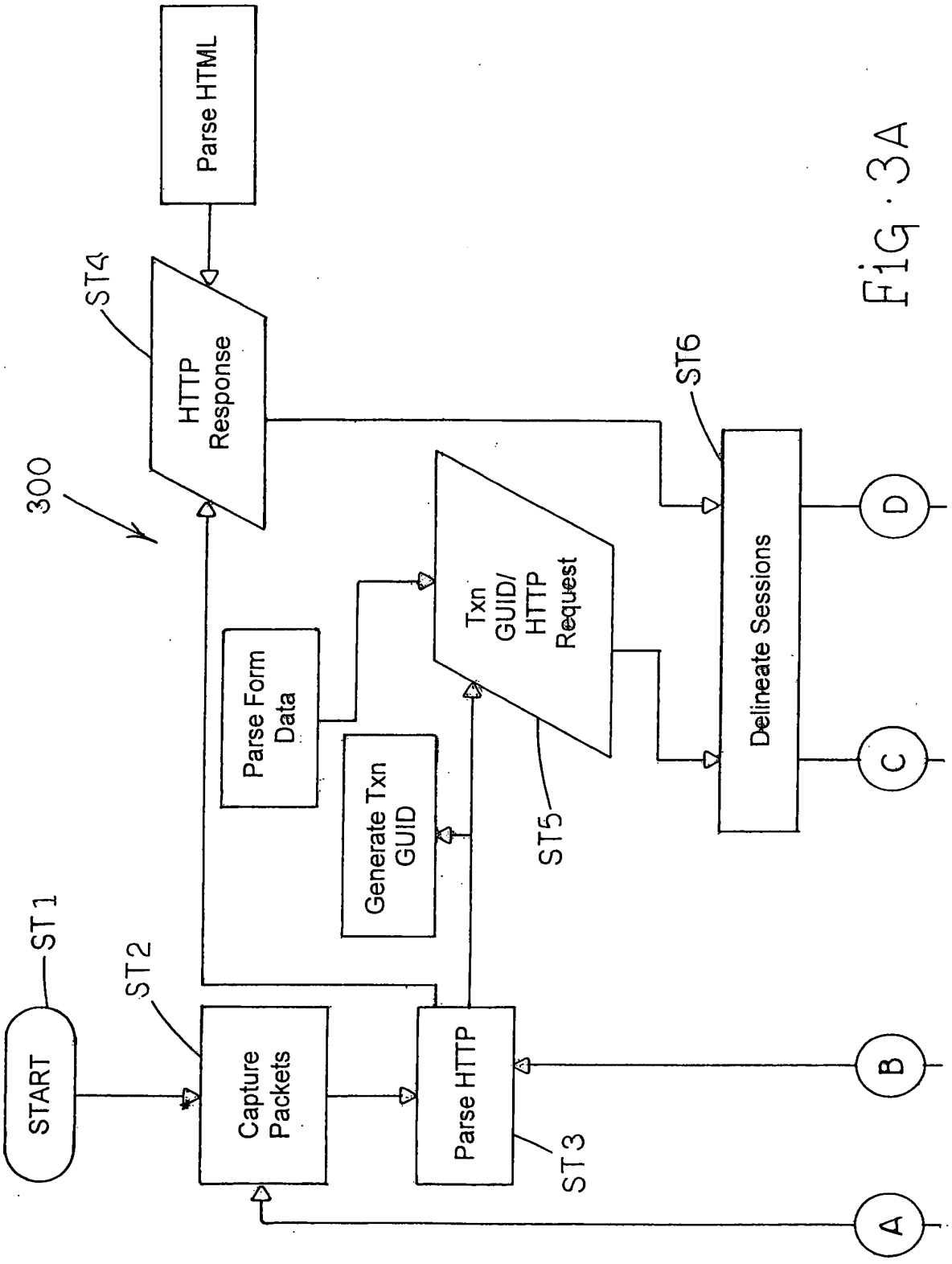

300
START
ST1
Capture Packets
ST2
Parse HTTP
ST3
HTTP Response
ST4
Txn GUID/ HTTP Request
ST5
Delineate Sessions
ST6
Parse HTML
Parse Form Data
Generate Txn GUID
A
B
C
D

FIG. 3A

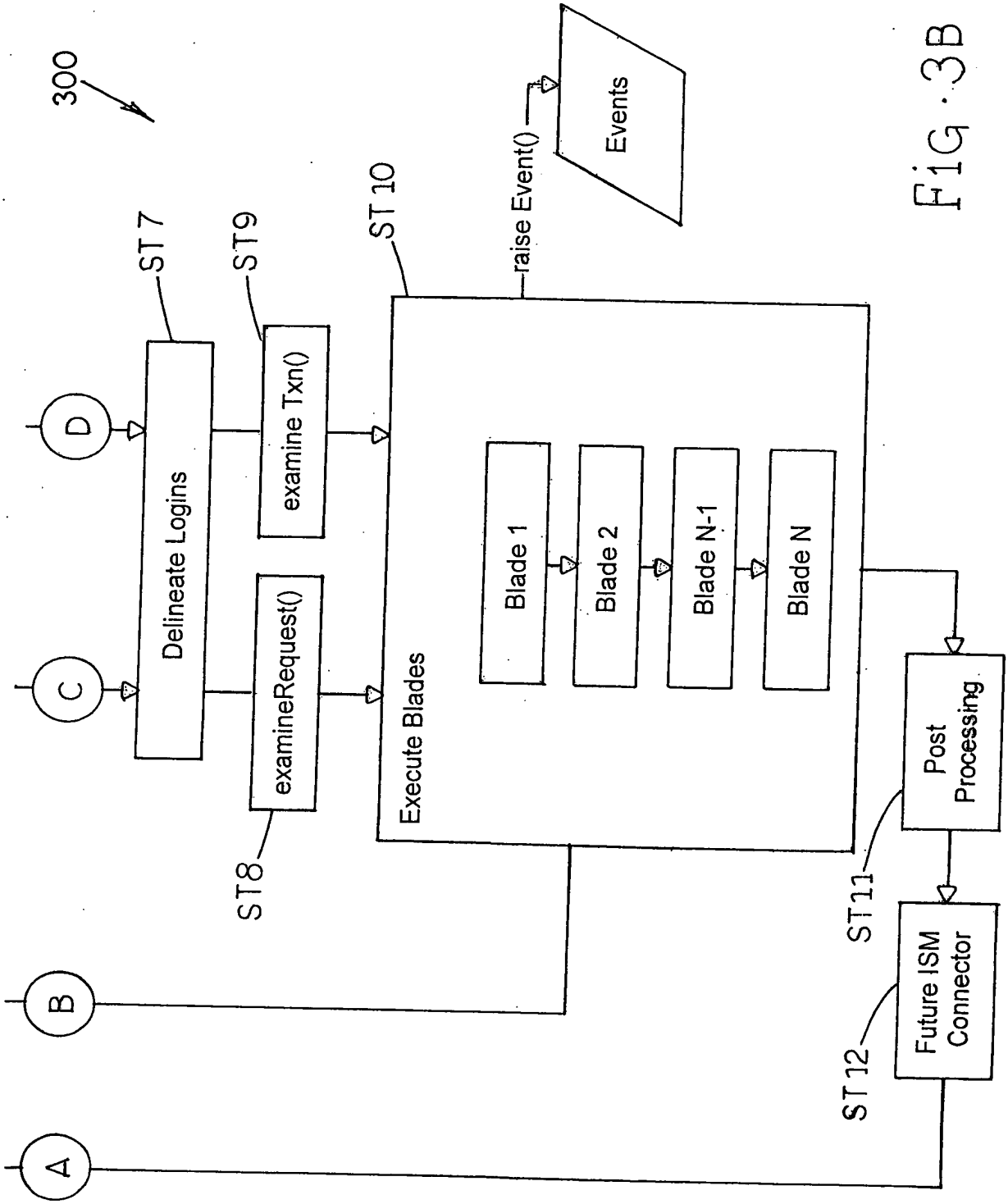

300
Events
raise Event()
ST 10
ST 7
ST9
D
Delineate Logins
examine Txn()
C
examineRequest()
ST8
Execute Blades
Blade 1
Blade 2
Blade N-1
Blade N
Post Processing
ST 11
Future ISM Connector
ST 12
B
A

FIG. 3B

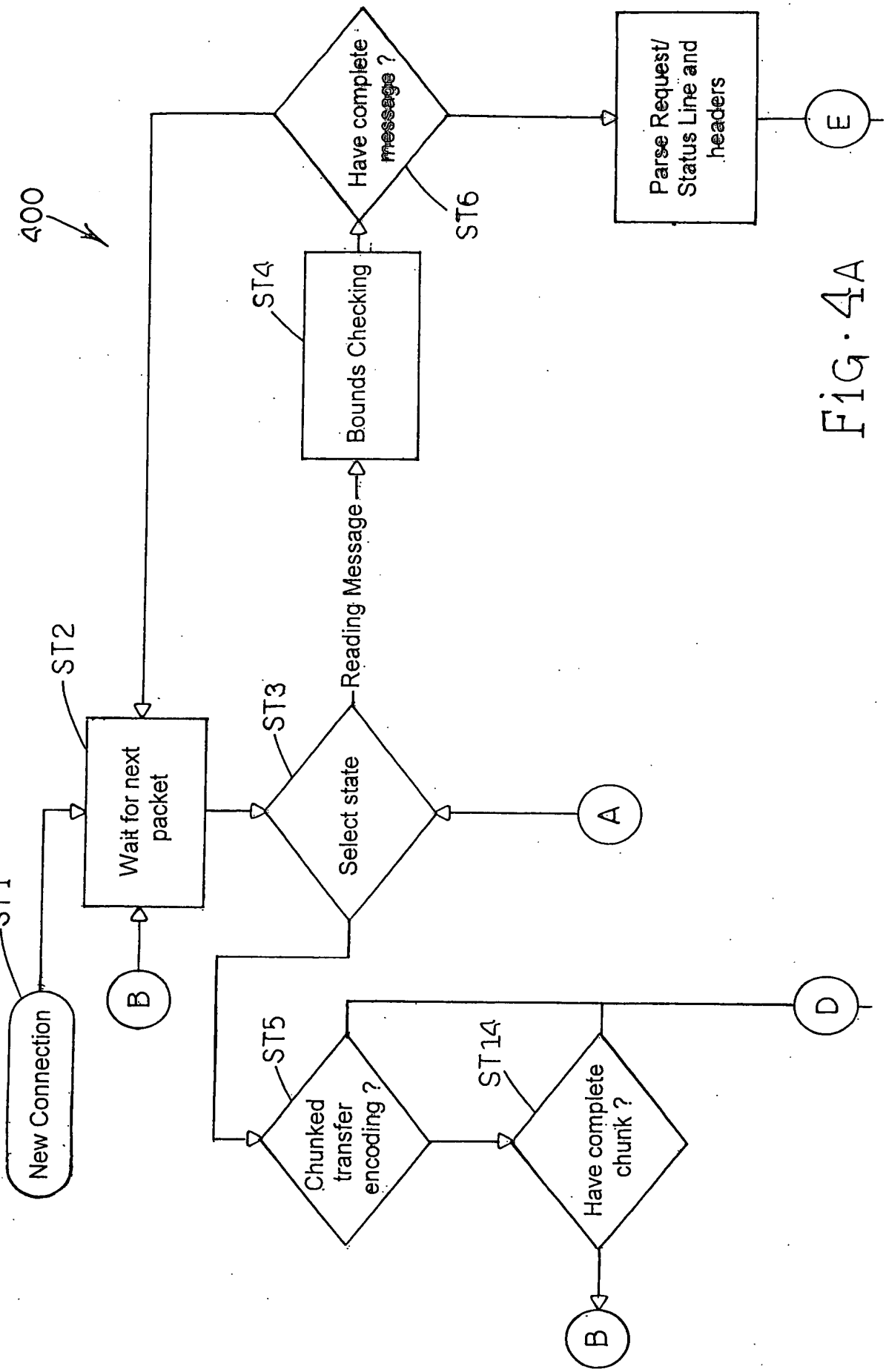

400
ST1
New Connection
ST2
Wait for next packet
B
ST3
Select state
Reading Message
A
ST4
Bounds Checking
ST5
Chunked transfer encoding ?
ST14
Have complete chunk ?
B
D
ST6
Have complete message ?
Parse Request/ Status Line and headers
E

FIG. 4A

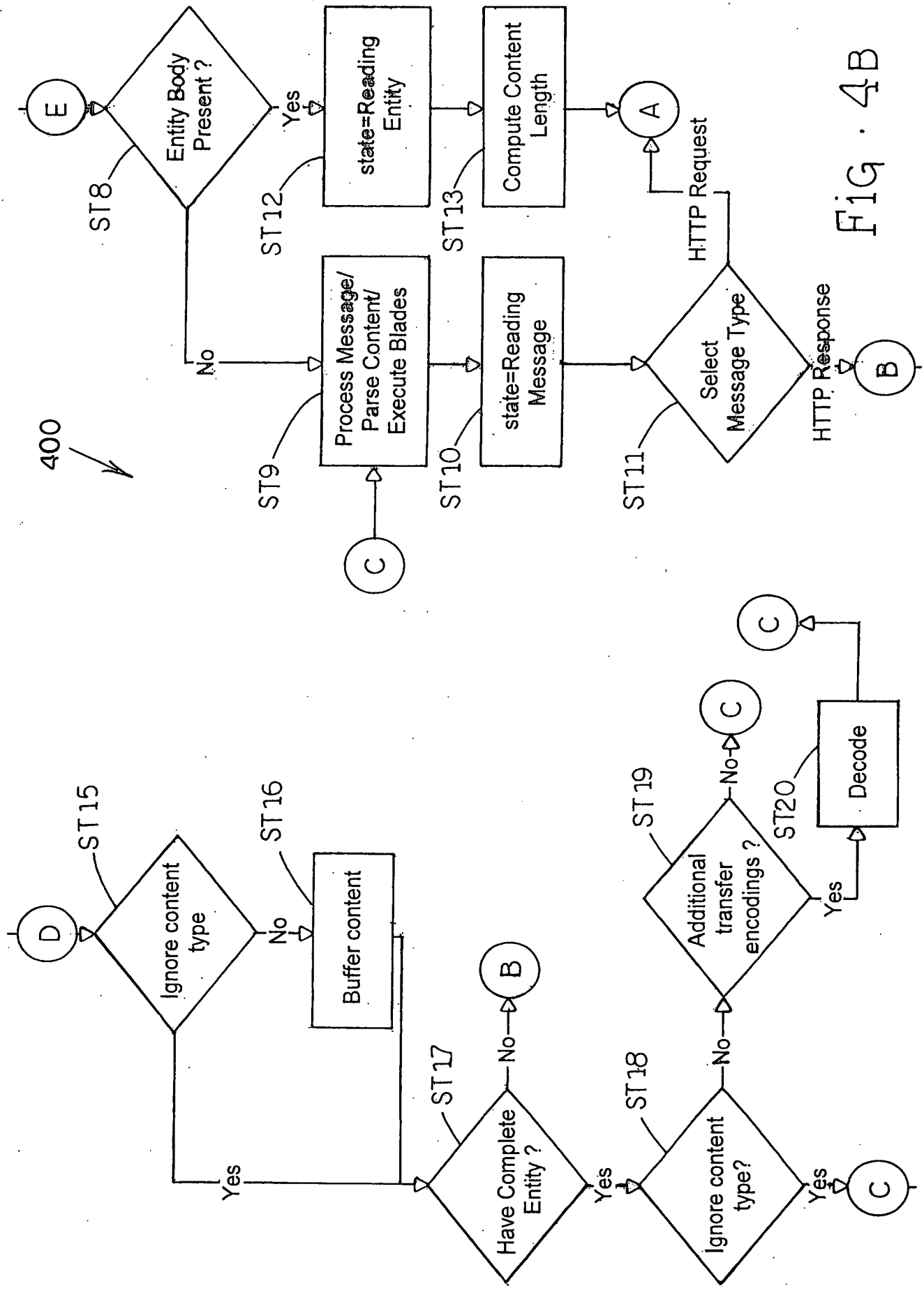

400
E
Entity Body Present ?
ST8
Yes
No
state=Reading Entity
ST12
Compute Content Length
ST13
A
HTTP Request
Process Message/ Parse Content/ Execute Blades
ST9
state=Reading Message
ST10
Select Message Type
ST11
HTTP Response
B
C
D
Ignore content type
ST15
No
Buffer content
ST16
Yes
Have Complete Entity ?
ST17
No
B
Yes
Ignore content type?
ST18
No
C
Yes
Additional transfer encodings ?
ST19
No
C
Yes
Decode
ST20
C

FIG. 4B

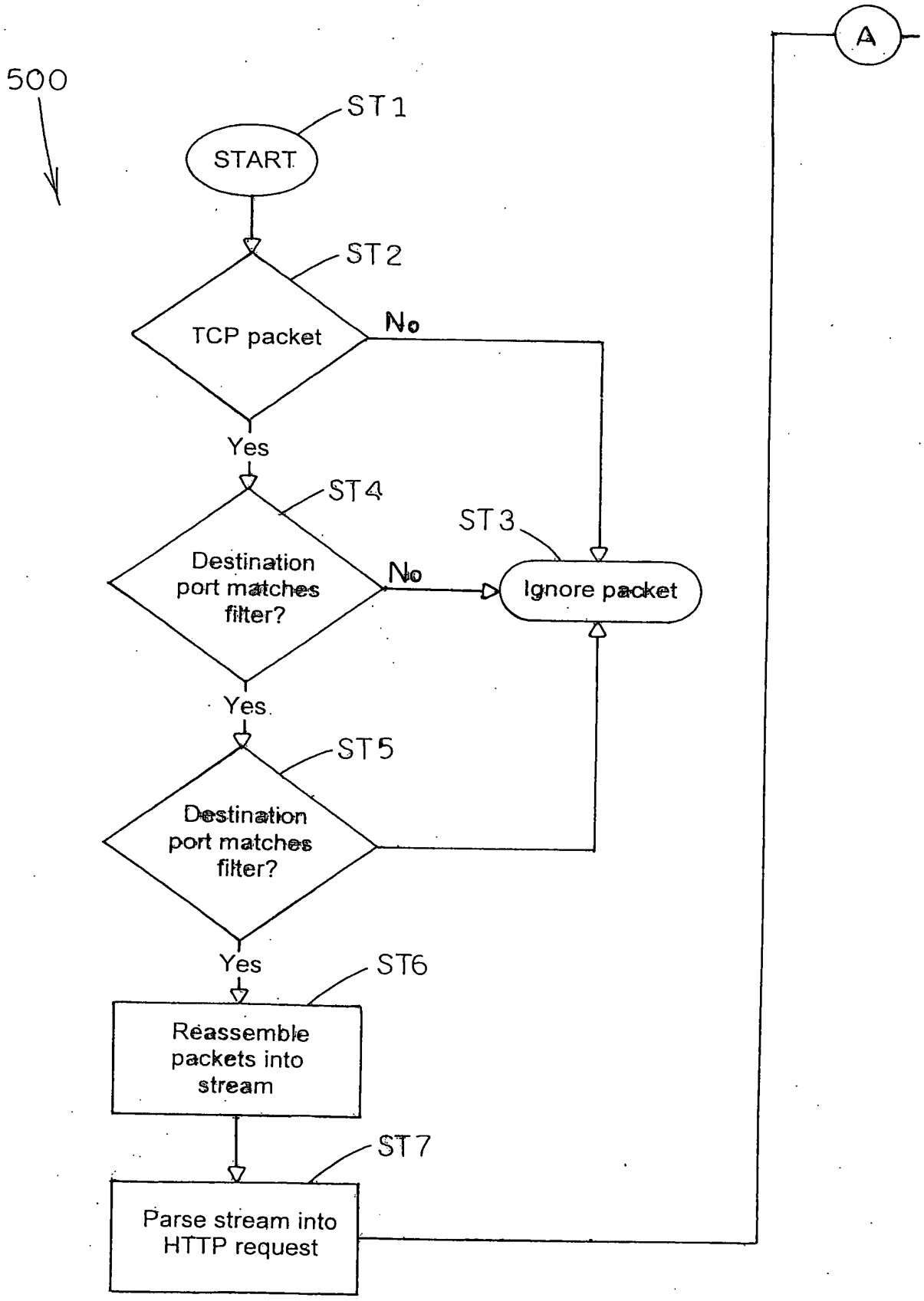

500
ST1
START
ST2
TCP packet
No
Yes
ST4
Destination port matches filter?
ST3
No
Ignore packet
Yes
ST5
Destination port matches filter?
Yes
ST6
Reassemble packets into stream
ST7
Parse stream into HTTP request
A

Fig. 5A

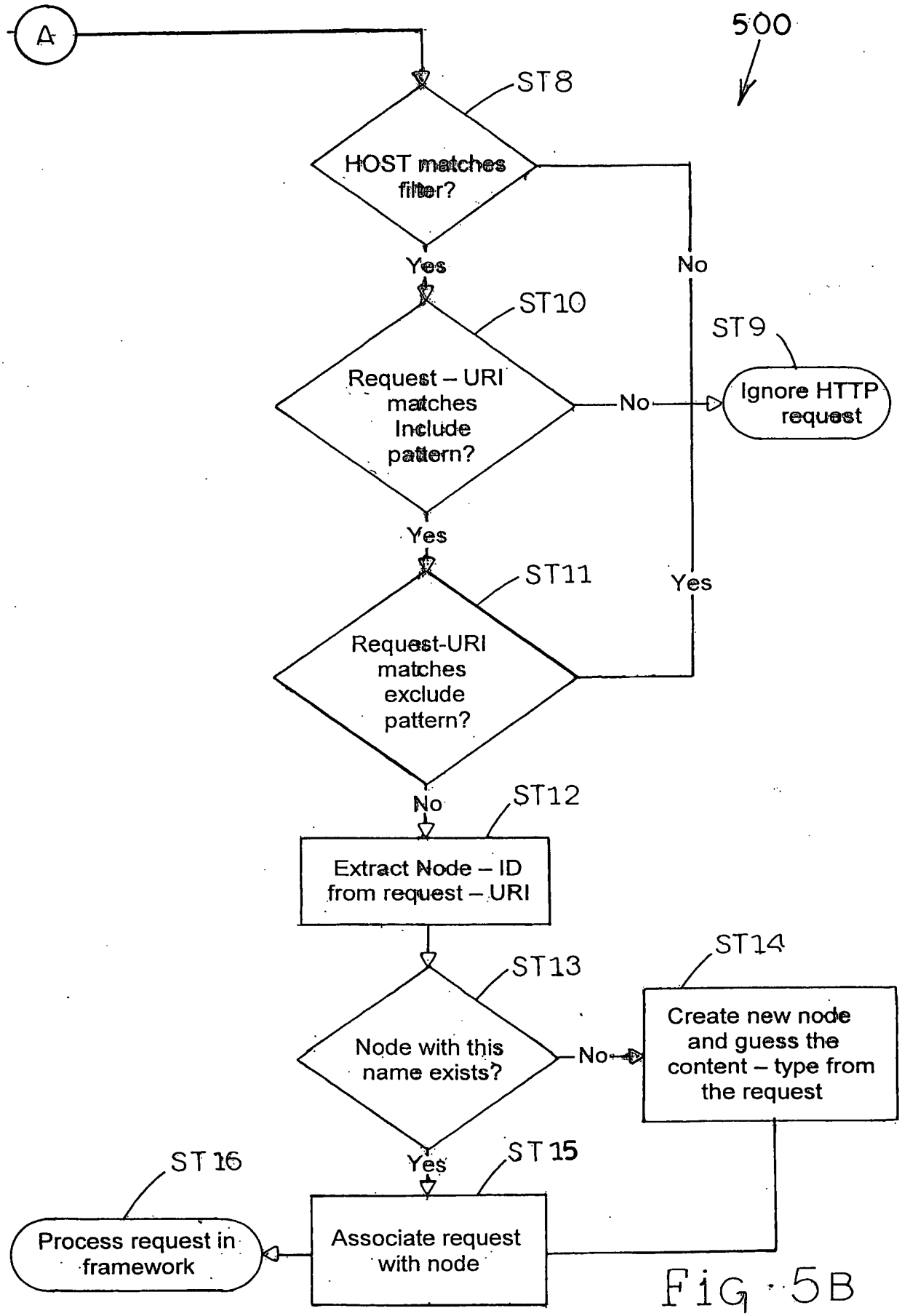

A
500
ST8
HOST matches filter?
Yes
No
ST10
Request – URI matches Include pattern?
No
ST9
Ignore HTTP request
Yes
ST11
Request-URI matches exclude pattern?
Yes
No
ST12
Extract Node – ID from request – URI
ST13
Node with this name exists?
No
ST14
Create new node and guess the content – type from the request
Yes
ST15
Associate request with node
ST16
Process request in framework

Fig. 5B

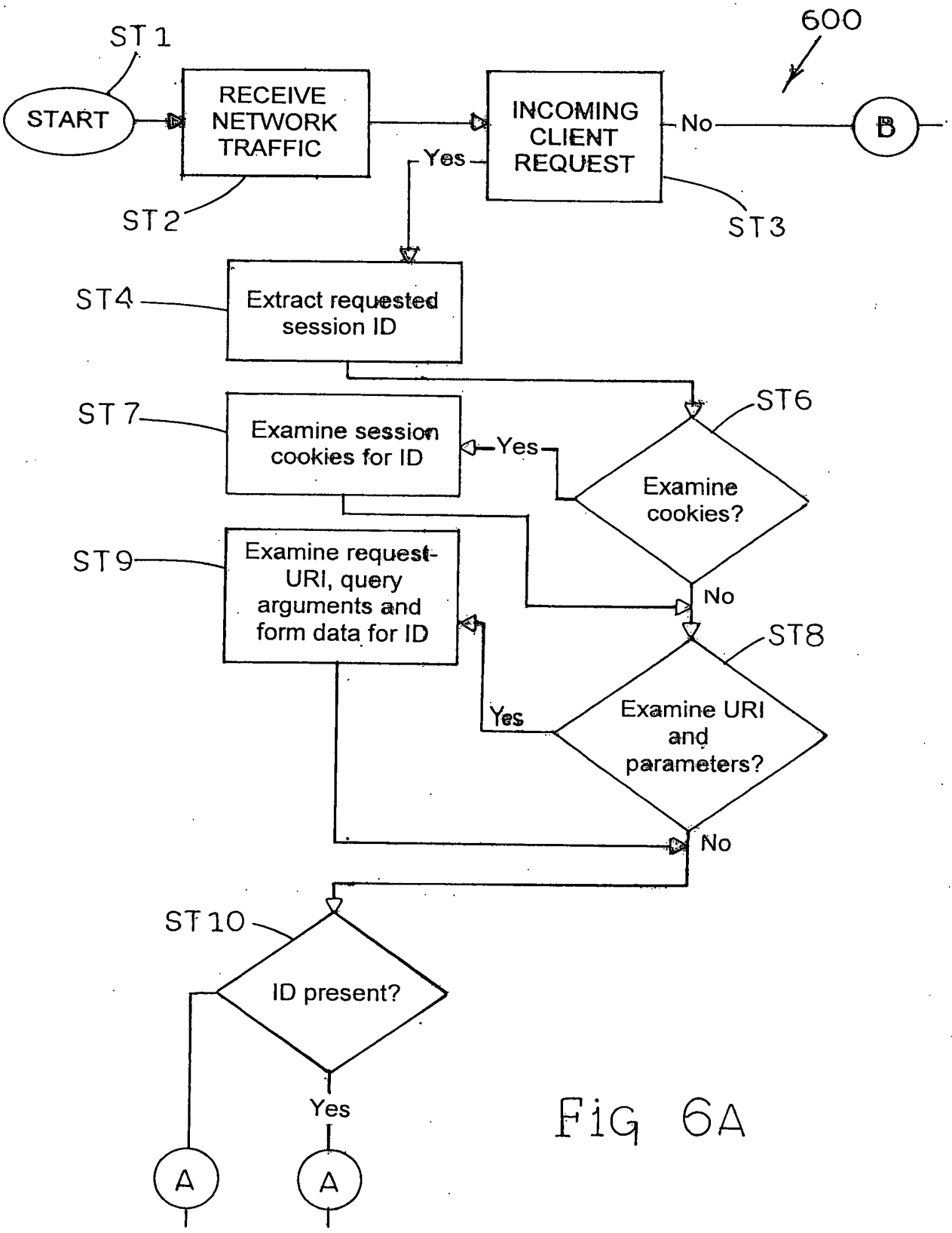

600
ST 1
START
RECEIVE NETWORK TRAFFIC
ST2
INCOMING CLIENT REQUEST
No
B
Yes
ST3
ST4
Extract requested session ID
ST6
ST 7
Examine session cookies for ID
Yes
Examine cookies?
ST9
Examine request-URI, query arguments and form data for ID
No
ST8
Yes
Examine URI and parameters?
No
ST 10
ID present?
Yes
A
A

Fig 6A

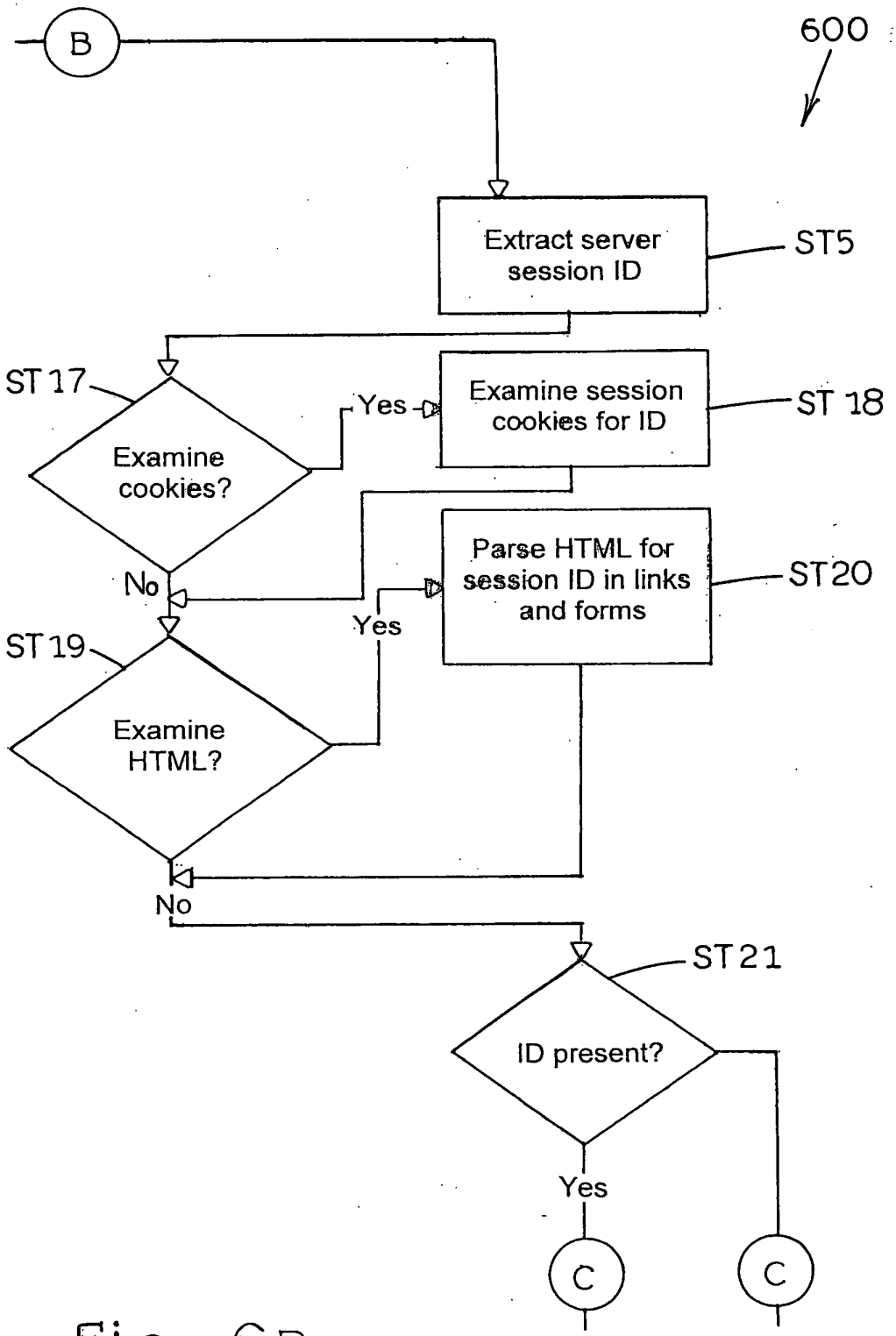

B
600
Extract server session ID
ST5
ST17
Examine cookies?
Yes
Examine session cookies for ID
ST 18
No
Parse HTML for session ID in links and forms
ST20
Yes
ST19
Examine HTML?
No
ST21
ID present?
Yes
C
C

FIG. 6B

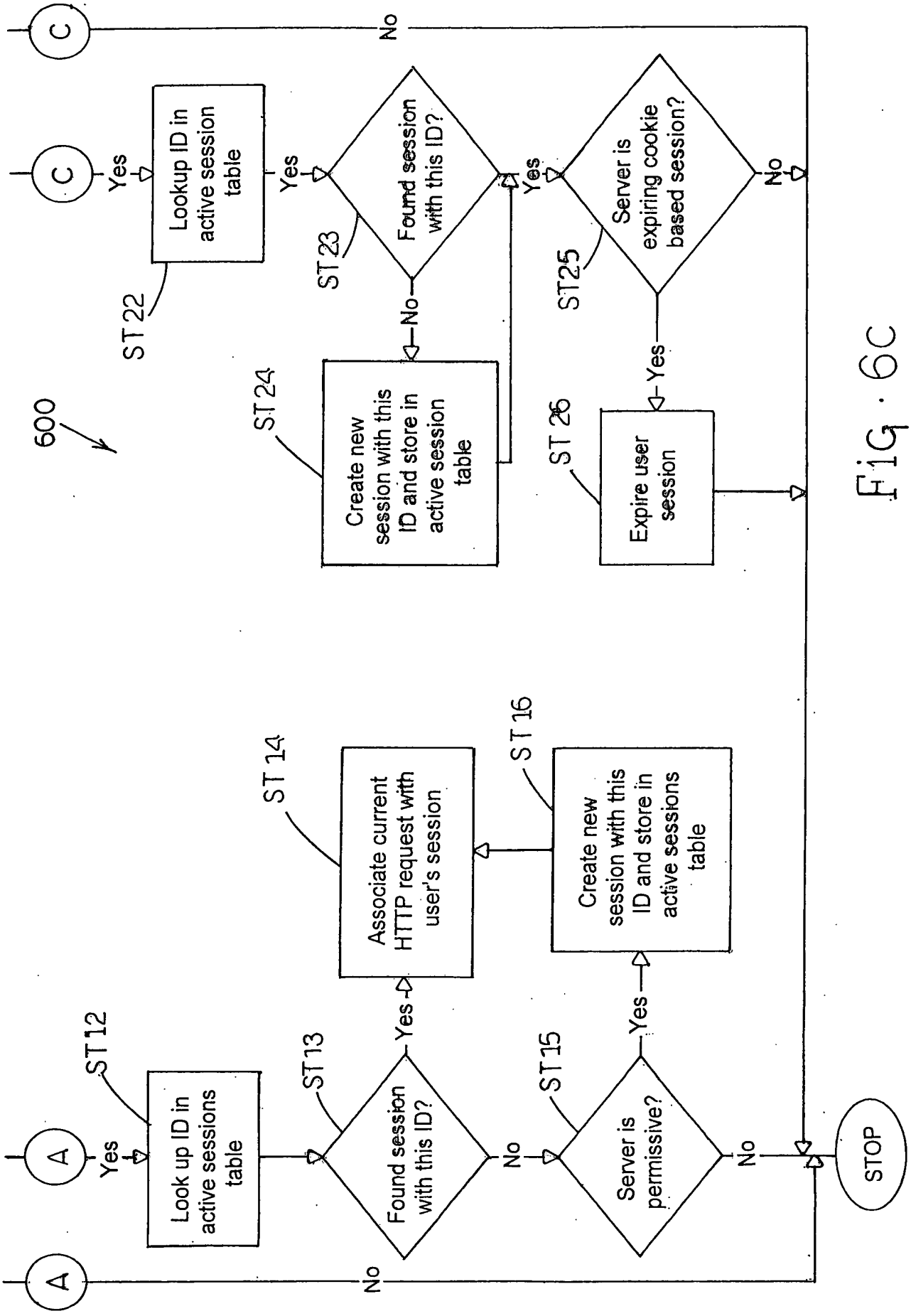

600
A
C
Yes
No
Look up ID in active sessions table
ST 12
Found session with this ID?
ST 13
Associate current HTTP request with user's session
ST 14
Create new session with this ID and store in active sessions table
ST 16
Server is permissive?
ST 15
STOP
Lookup ID in active session table
ST 22
Found session with this ID?
ST 23
Create new session with this ID and store in active session table
ST 24
Server is expiring cookie based session?
ST 25
Expire user session
ST 26

FIG. 6C

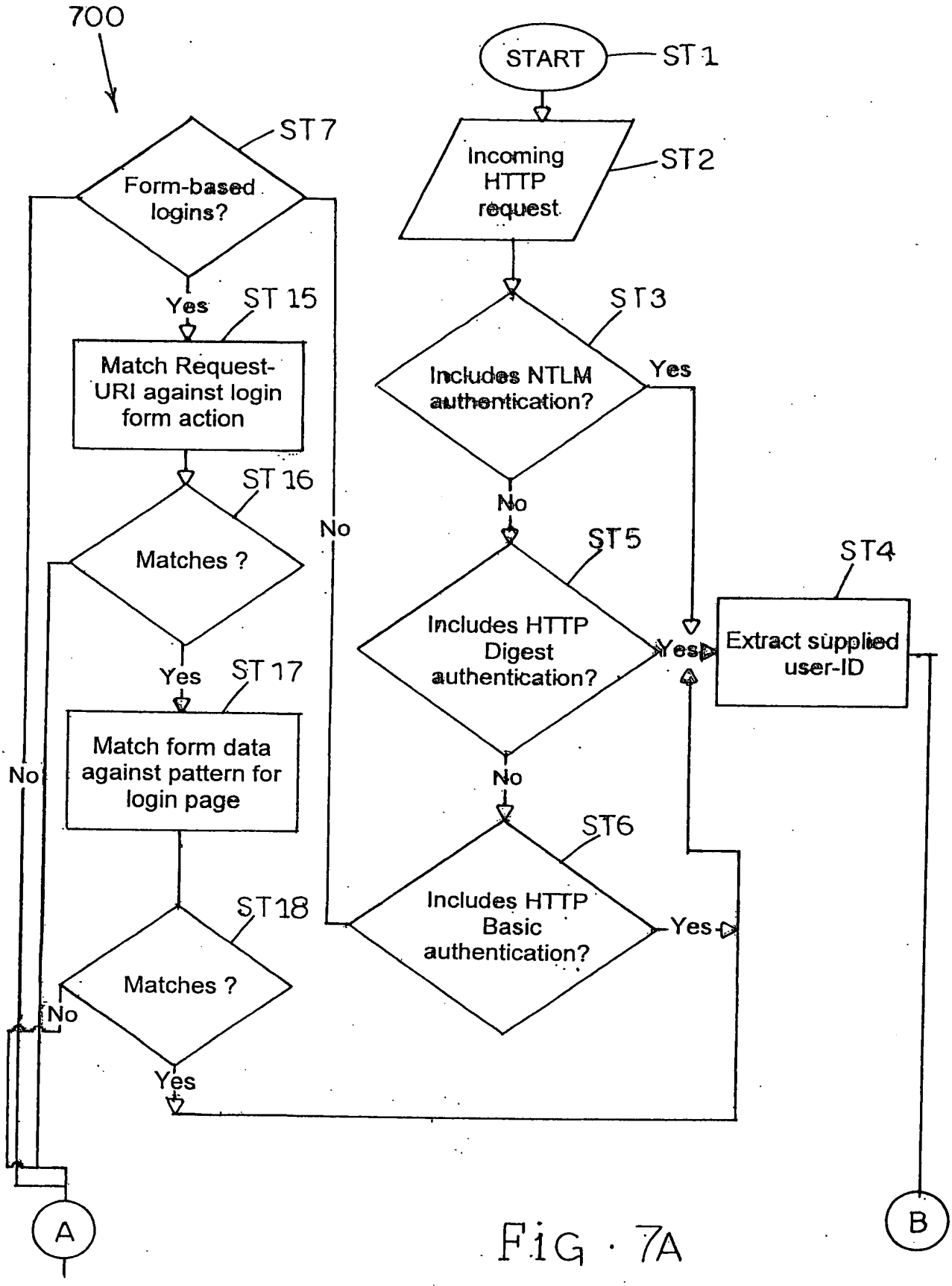

700
START
ST 1
Incoming HTTP request
ST2
ST3
Includes NTLM authentication?
Yes
No
ST5
Includes HTTP Digest authentication?
Yes
ST4
Extract supplied user-ID
No
ST6
Includes HTTP Basic authentication?
Yes
No
ST7
Form-based logins?
Yes
ST 15
Match Request-URI against login form action
ST 16
Matches ?
No
Yes
ST 17
Match form data against pattern for login page
ST18
Matches ?
No
Yes
A
B

FIG. 7A

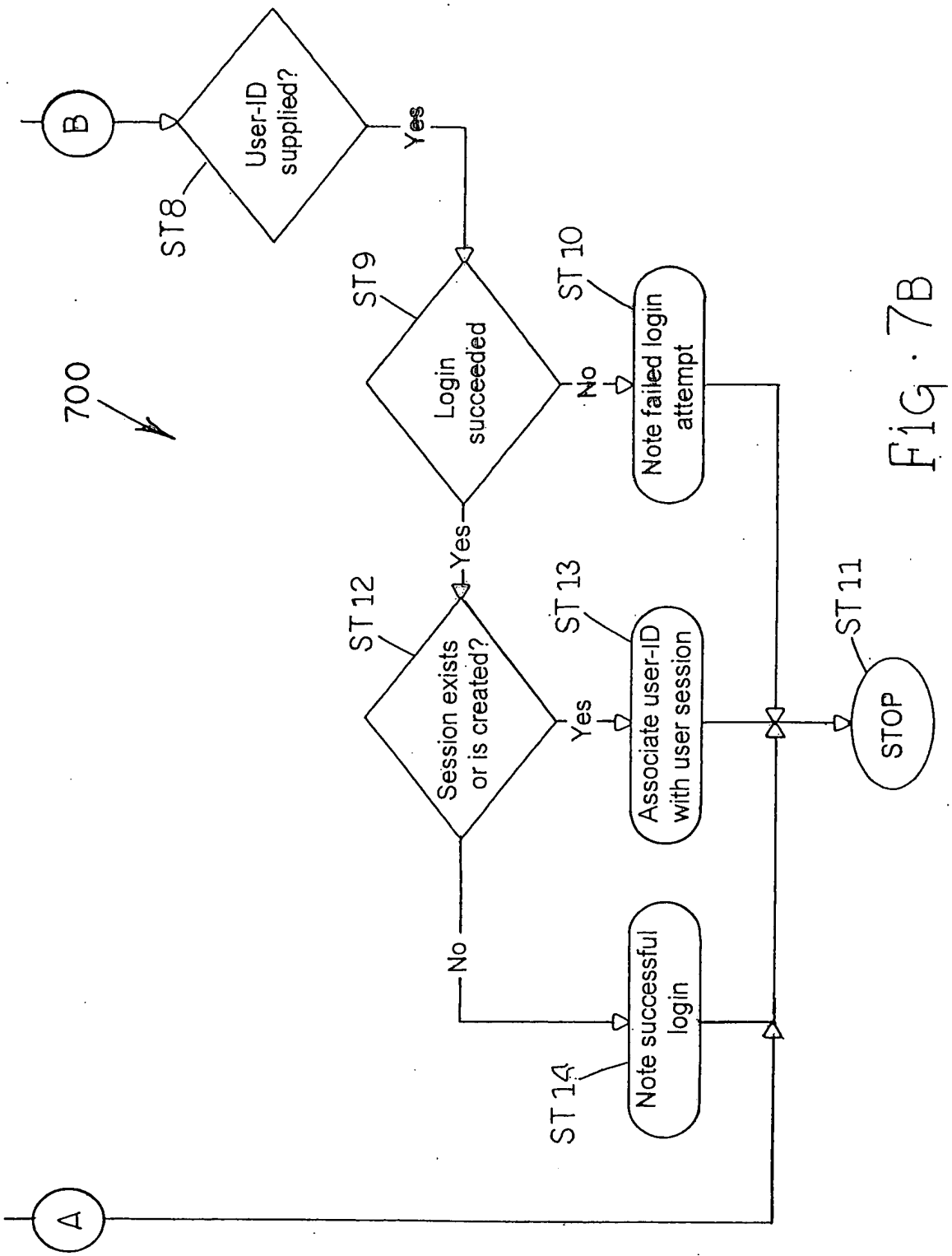

700
B
User-ID supplied?
ST8
Yes
ST9
Login succeeded
No
ST10
Note failed login attempt
Yes
ST12
Session exists or is created?
Yes
ST13
Associate user-ID with user session
ST11
STOP
No
ST14
Note successful login
A

FIG. 7B

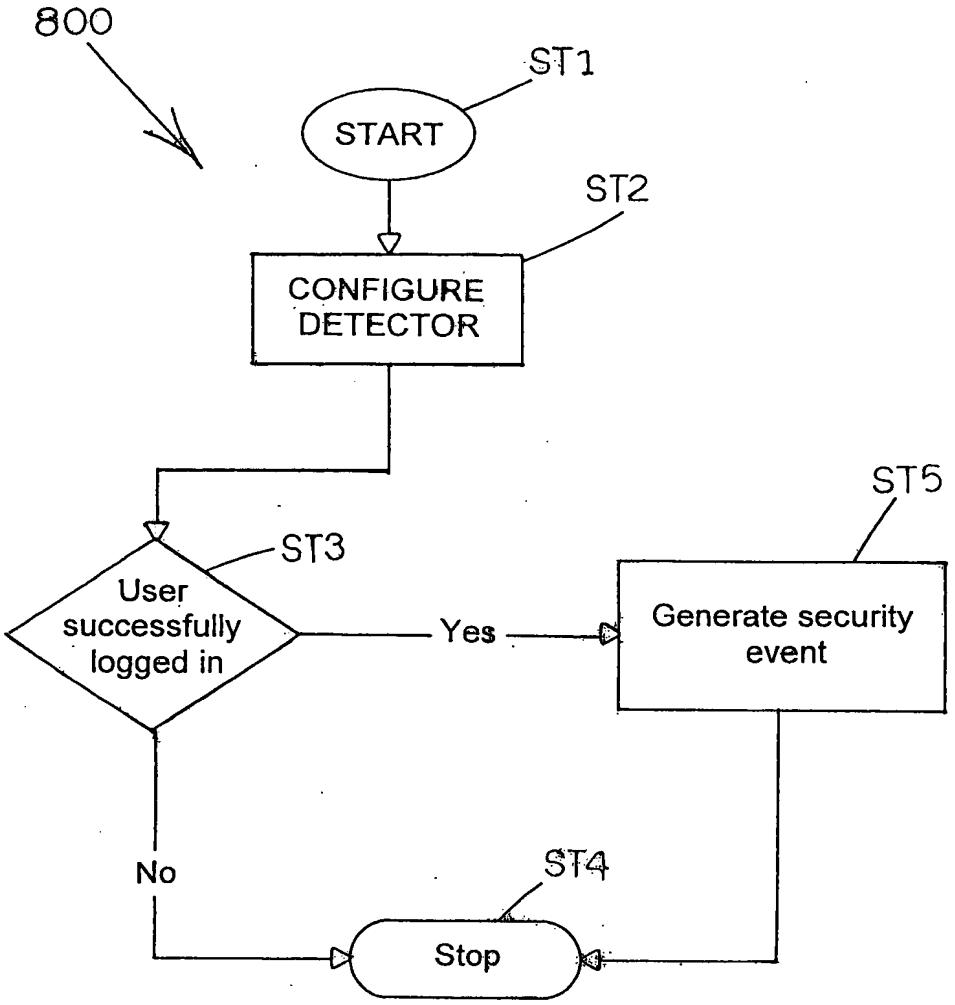

800
ST1
START
ST2
CONFIGURE DETECTOR
ST3
User successfully logged in
Yes
ST5
Generate security event
No
ST4
Stop

FIG. 8

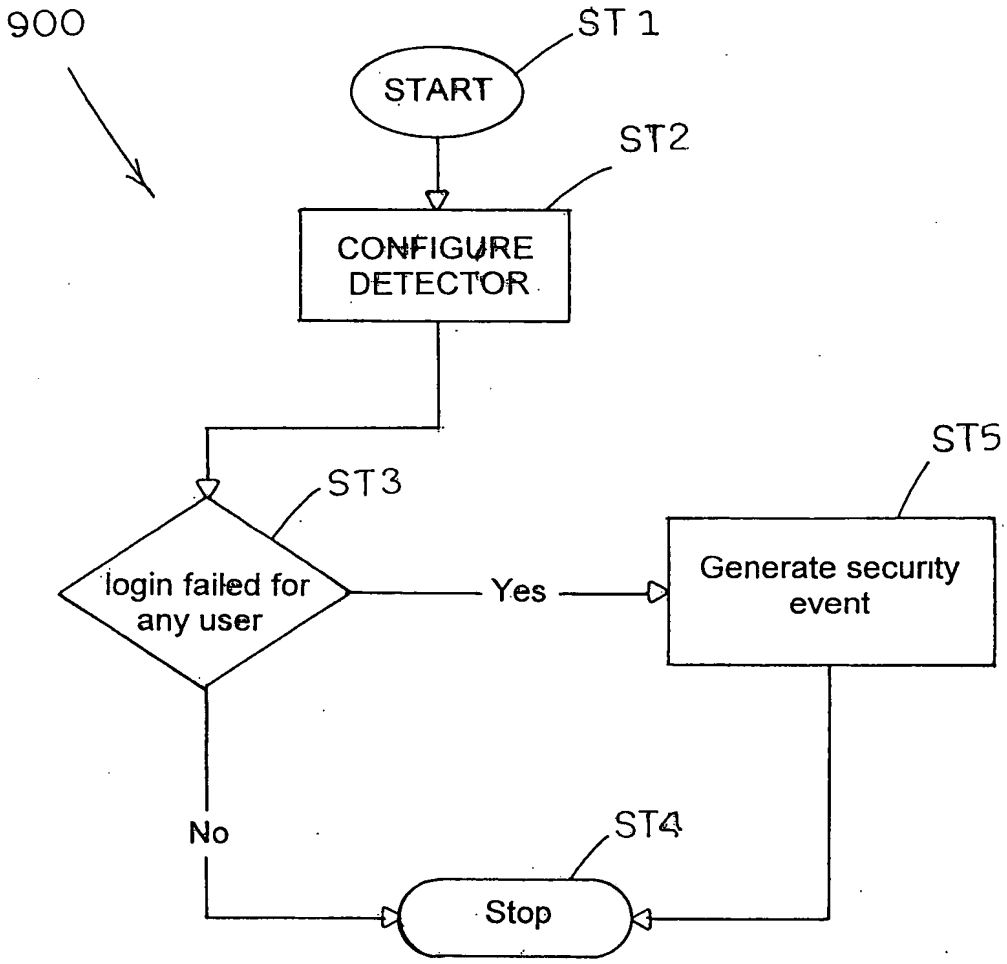

900
ST 1
START
ST2
CONFIGURE DETECTOR
ST3
login failed for any user
Yes
ST5
Generate security event
No
ST4
Stop

Fig. 9

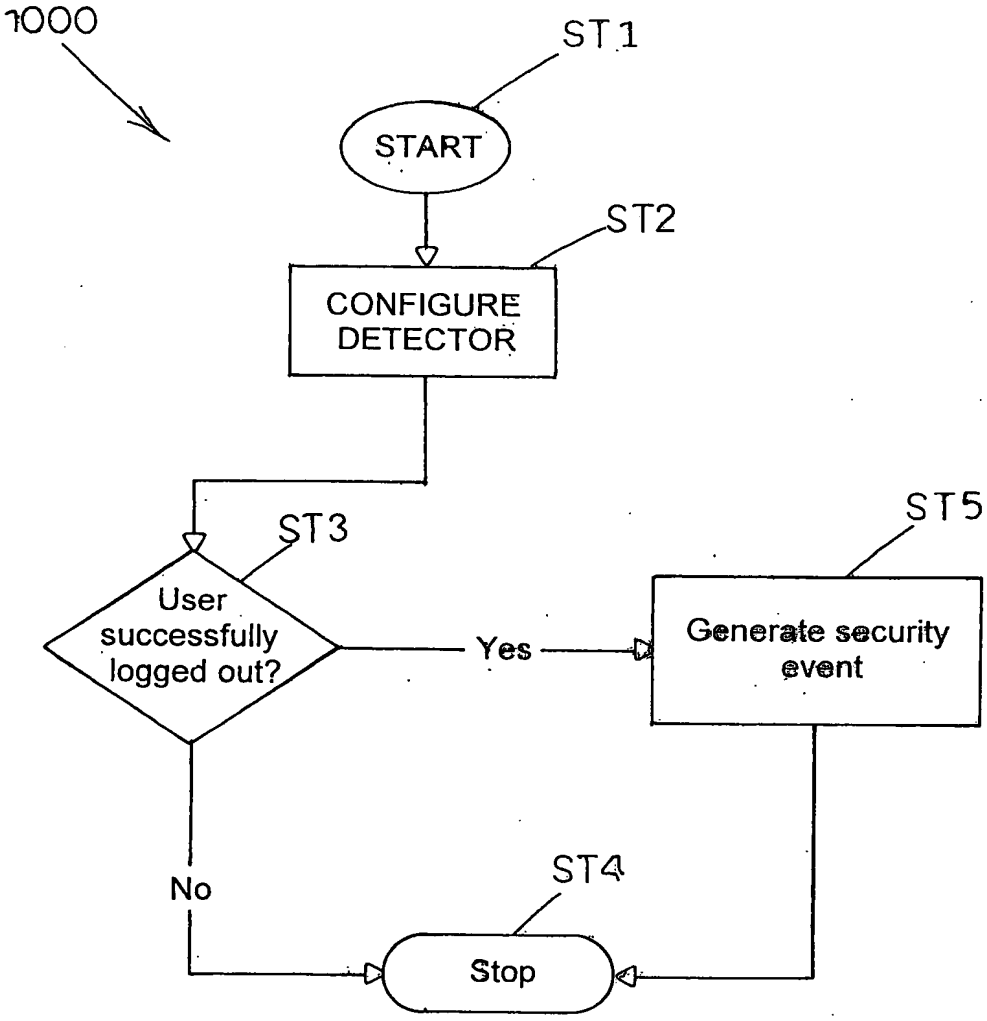

1000
ST1
START
ST2
CONFIGURE DETECTOR
ST3
User successfully logged out?
Yes
ST5
Generate security event
No
ST4
Stop

Fig. 10

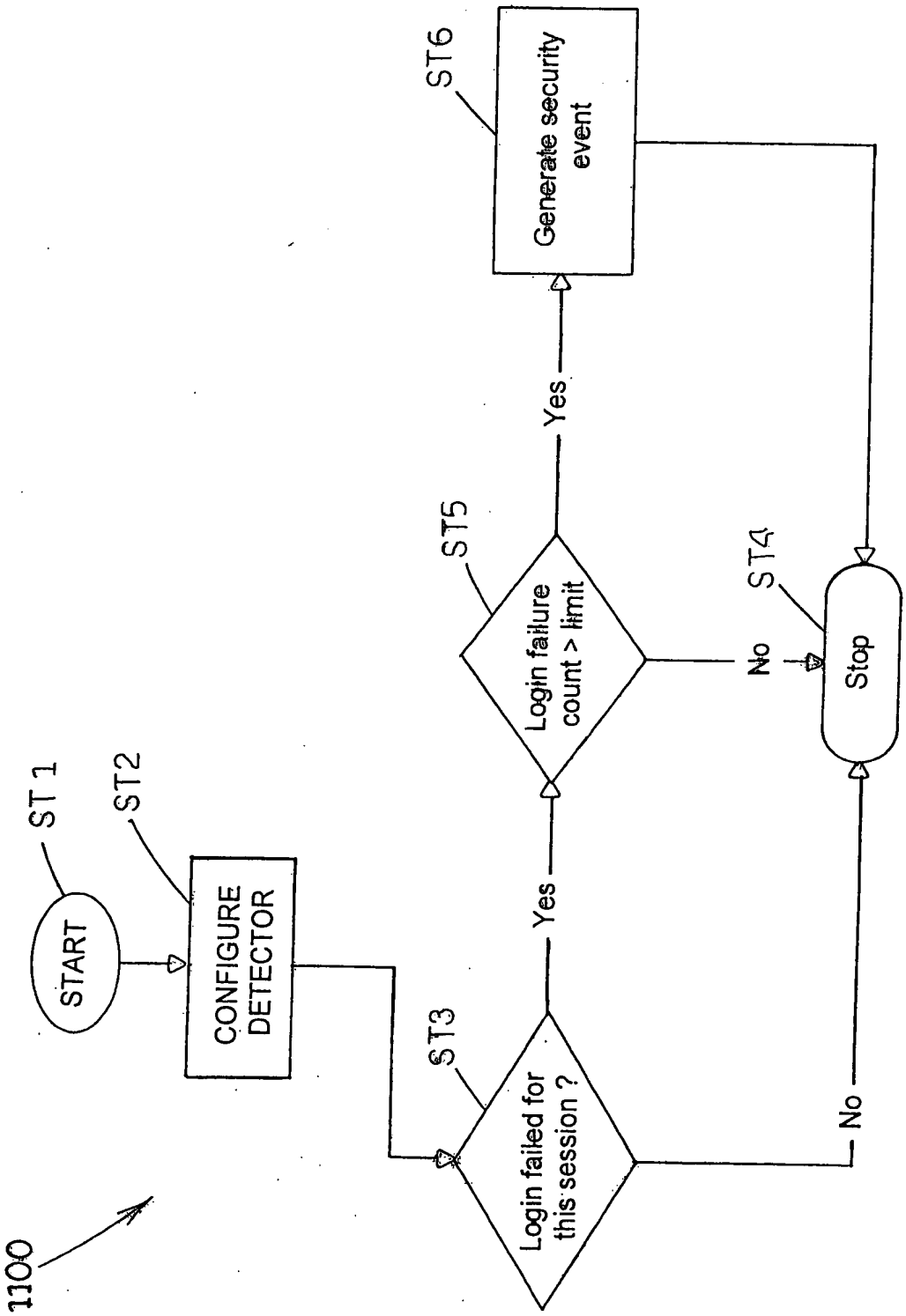

1100
START
ST 1
CONFIGURE DETECTOR
ST2
Login failed for this session ?
ST3
Yes
No
Login failure count > limit
ST5
Yes
No
Stop
ST4
Generate security event
ST6

FIG. 11

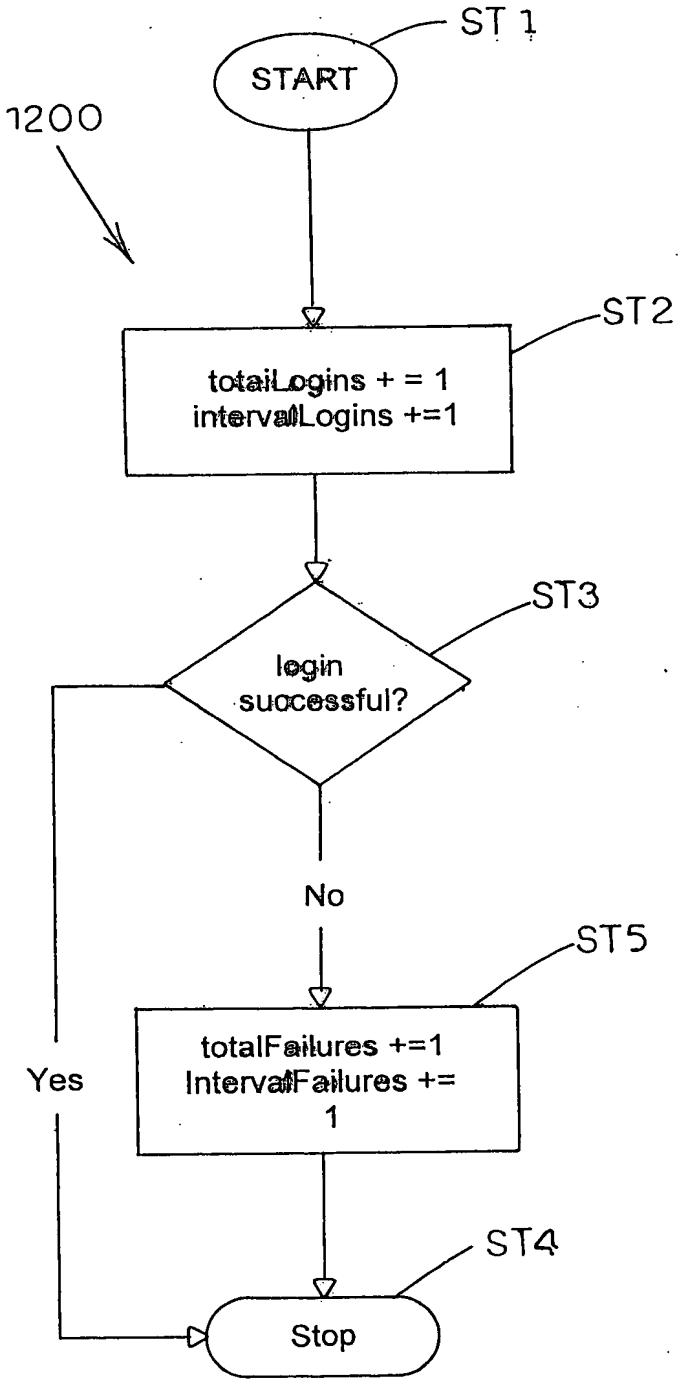

ST 1
START
1200
ST2
totalLogins + = 1
intervalLogins +=1
ST3
login
successful?
No
ST5
totalFailures +=1
IntervalFailures +=
1
Yes
ST4
Stop

Fig. 12A

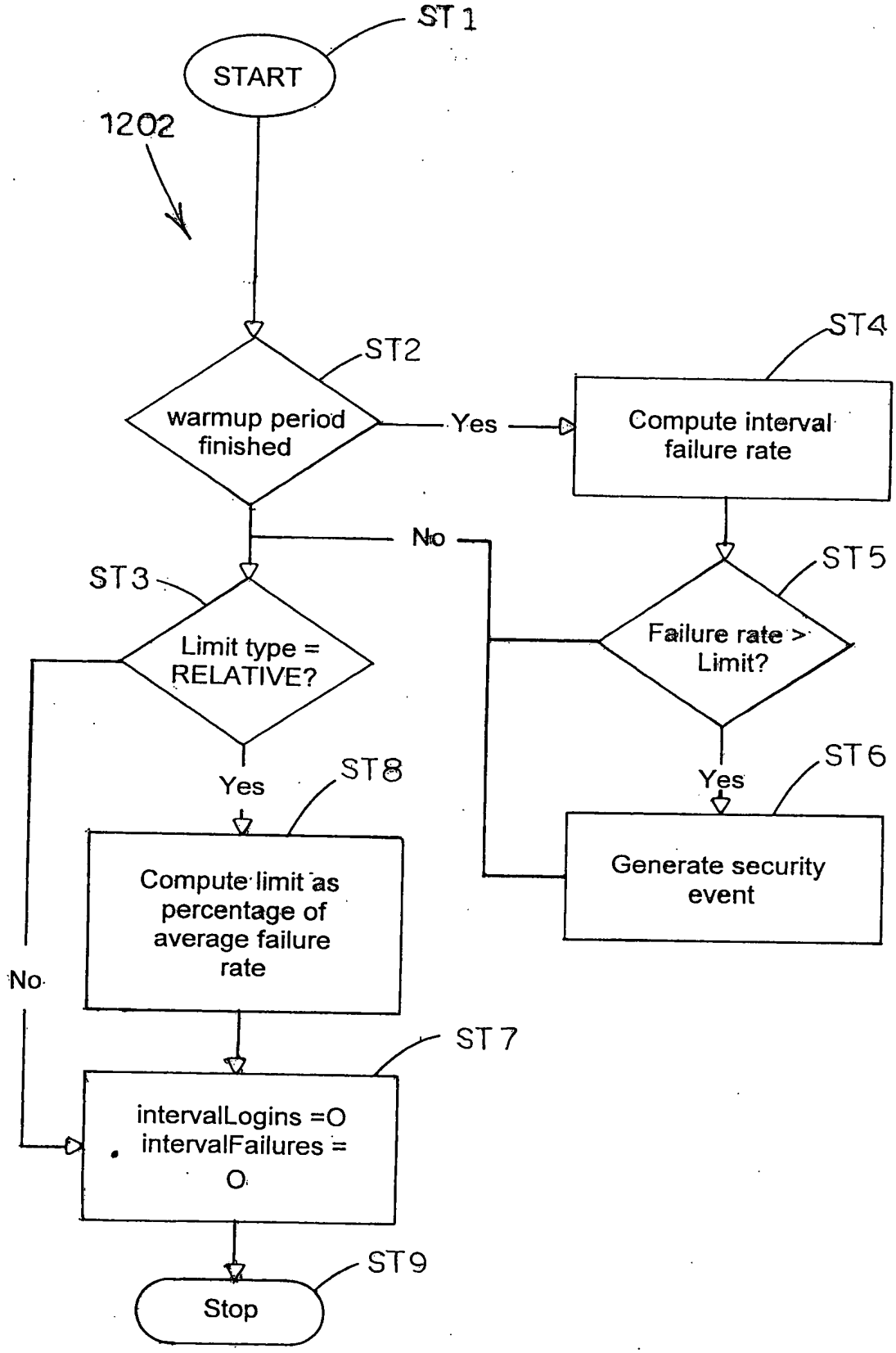

ST 1
START
1202
ST2
warmup period finished
Yes
ST4
Compute interval failure rate
No
ST5
Failure rate > Limit?
ST3
Limit type = RELATIVE?
Yes
ST6
Generate security event
Yes
ST8
Compute limit as percentage of average failure rate
No
ST 7
intervalLogins =O
intervalFailures = O
ST9
Stop

FIG. 12B

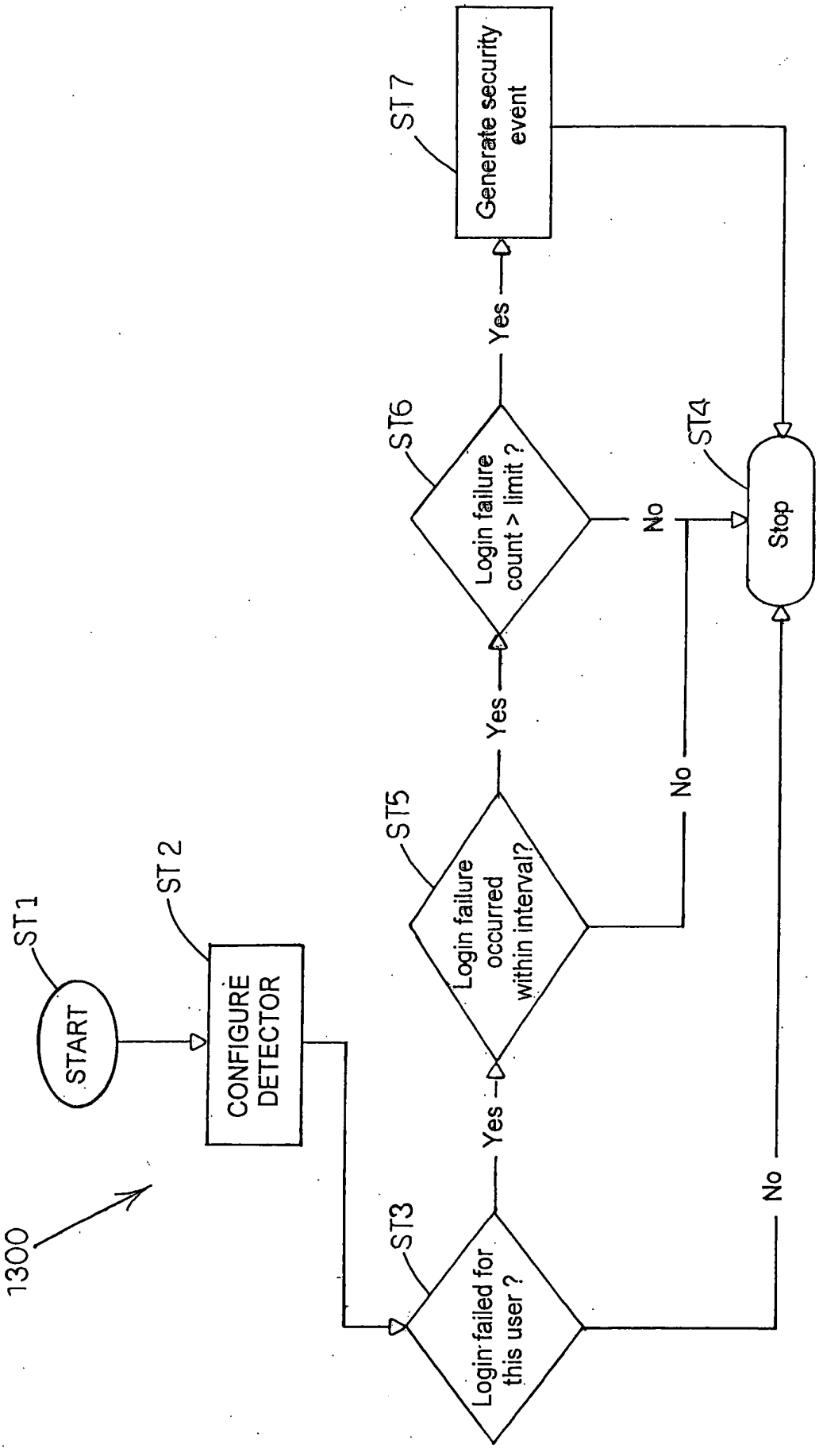

1300
START
ST 1
CONFIGURE DETECTOR
ST 2
Login failed for this user ?
ST3
Yes
No
Login failure occurred within interval?
ST5
Yes
No
Login failure count > limit ?
ST6
Yes
No
Generate security event
ST 7
Stop
ST4

FIG. 13

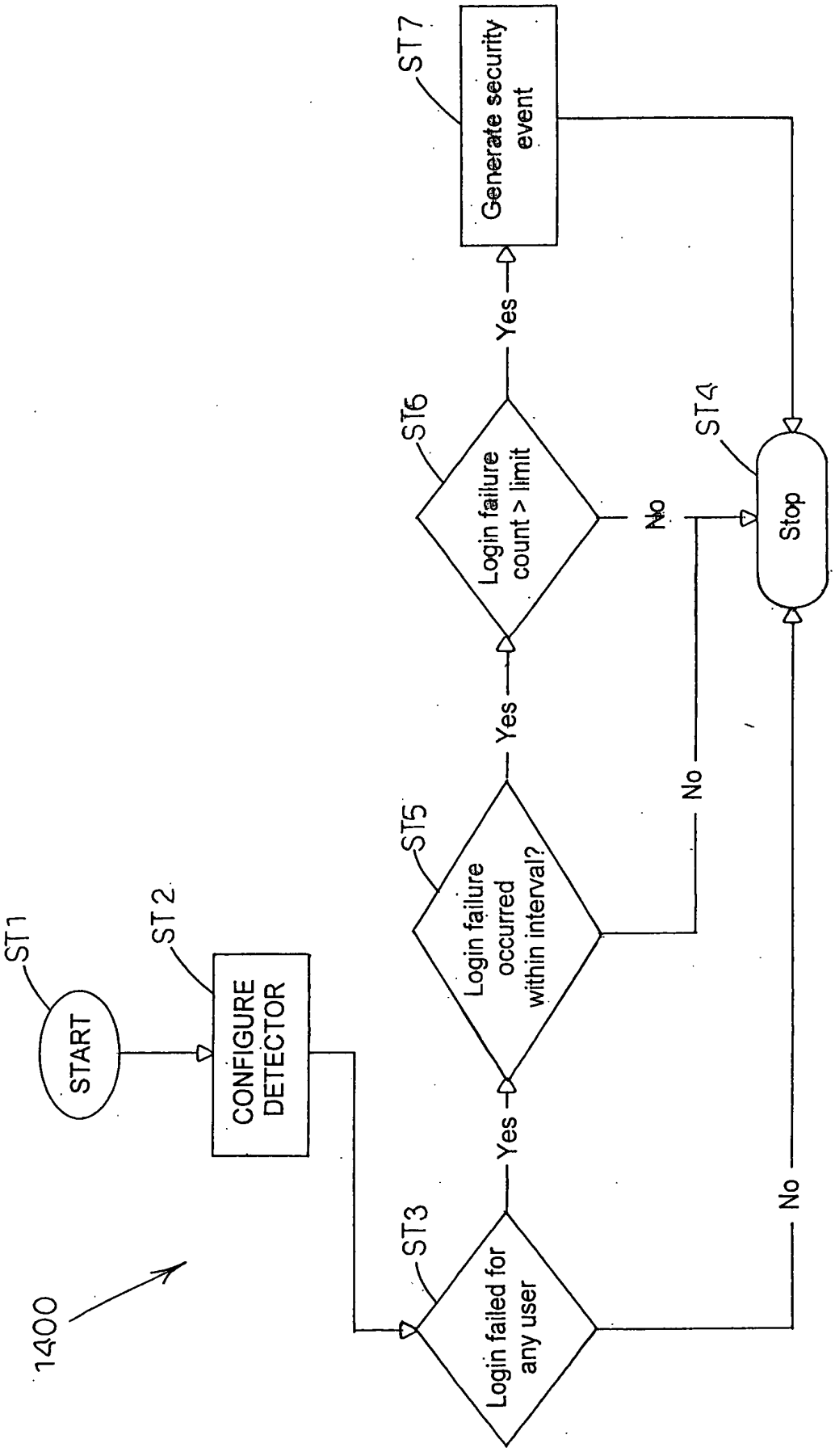

1400
ST1
START
ST2
CONFIGURE DETECTOR
ST3
Login failed for any user
Yes
ST5
Login failure occurred within interval?
Yes
ST6
Login failure count > limit
Yes
ST7
Generate security event
No
No
No
ST4
Stop

FIG. 14

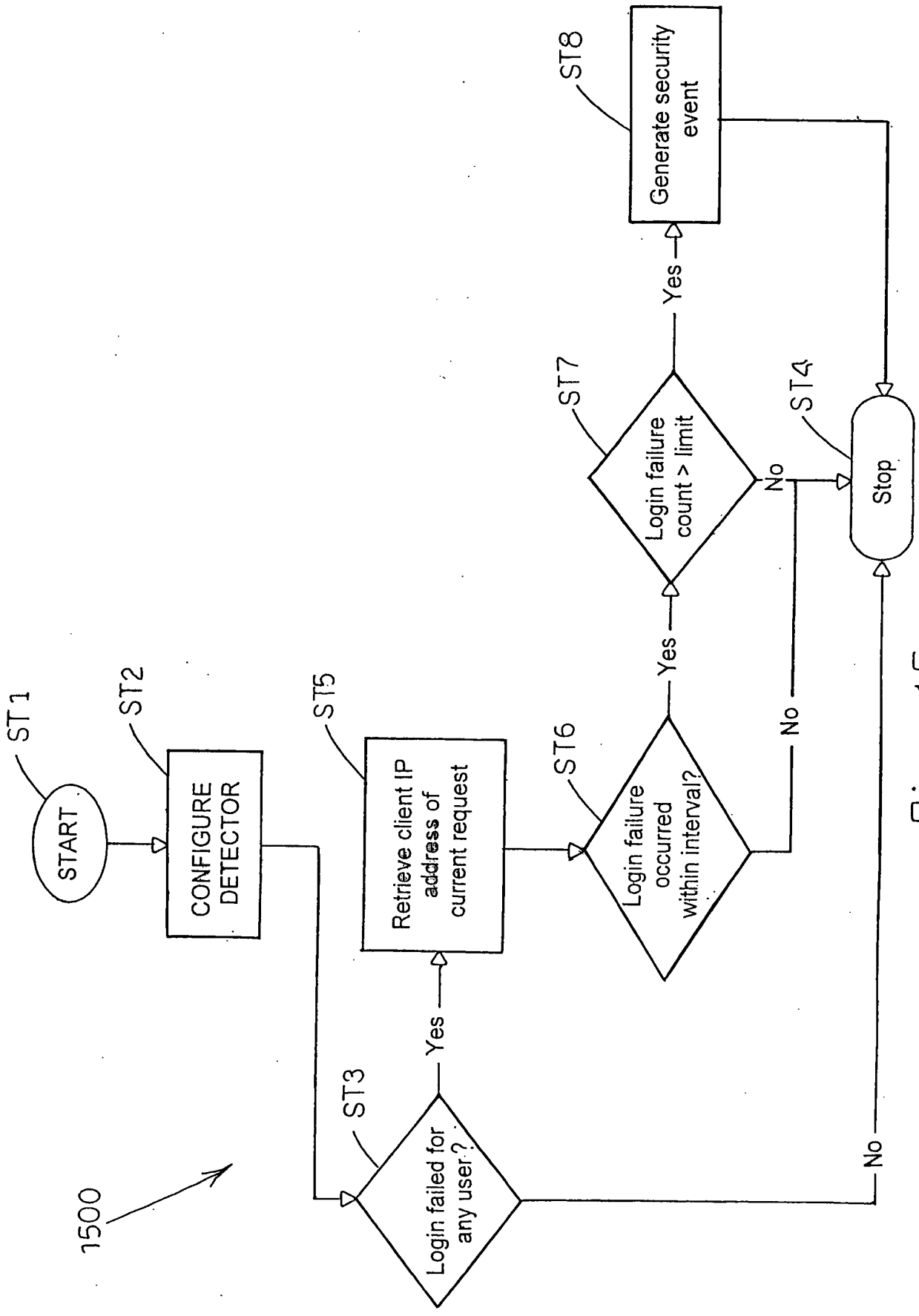

1500
ST1
START
ST2
CONFIGURE DETECTOR
ST5
Retrieve client IP address of current request
ST6
Login failure occurred within interval?
ST7
Login failure count > limit
ST8
Generate security event
ST4
Stop
ST3
Login failed for any user?
Yes
No
Yes
No
Yes
No

Fig. 15A

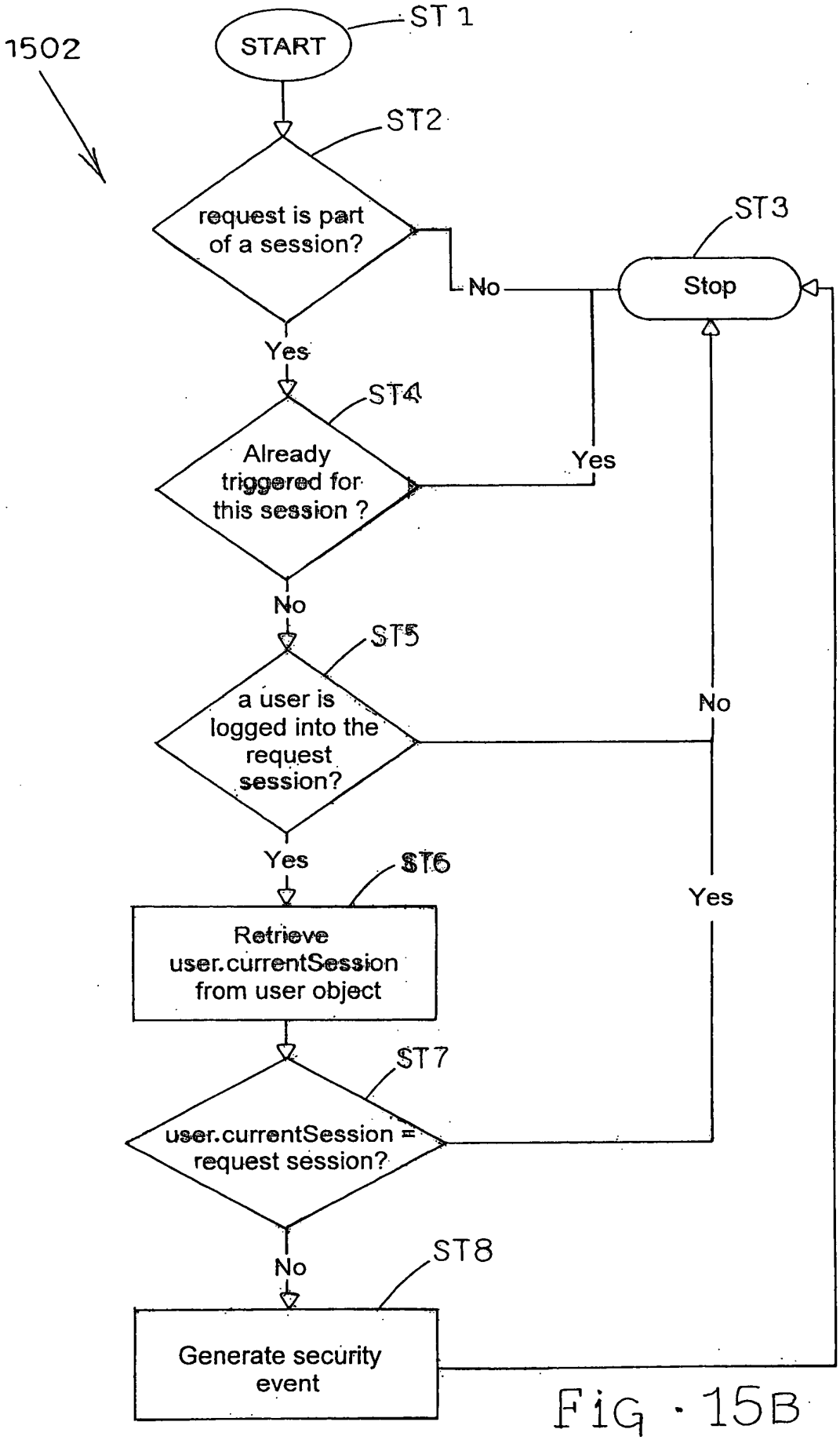

1502
START
ST 1
ST2
request is part of a session?
No
ST3
Stop
Yes
ST4
Already triggered for this session ?
Yes
No
ST5
a user is logged into the request session?
No
Yes
ST6
Retrieve user.currentSession from user object
ST7
user.currentSession = request session?
Yes
No
ST8
Generate security event

Fig · 15B

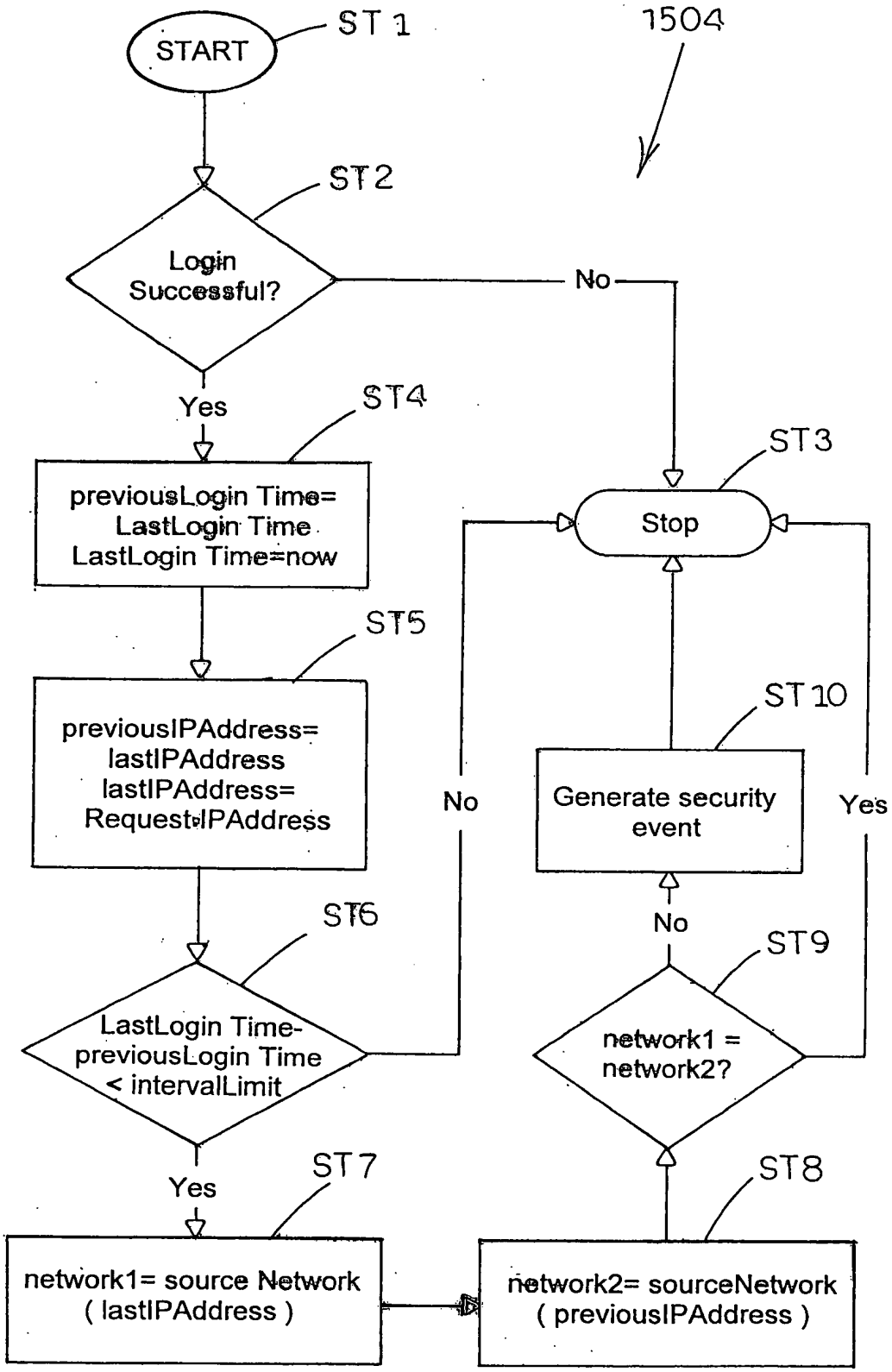

START
ST 1
1504
ST2
Login Successful?
No
Yes
ST4
previousLogin Time= LastLogin Time
LastLogin Time=now
ST3
Stop
ST5
previousIPAddress= lastIPAddress
lastIPAddress= RequestIPAddress
ST 10
Generate security event
No
Yes
ST6
LastLogin Time- previousLogin Time < intervalLimit
No
ST9
network1 = network2?
Yes
ST7
ST8
network1= source Network (lastIPAddress)
network2= sourceNetwork (previousIPAddress)

Fig. 15c

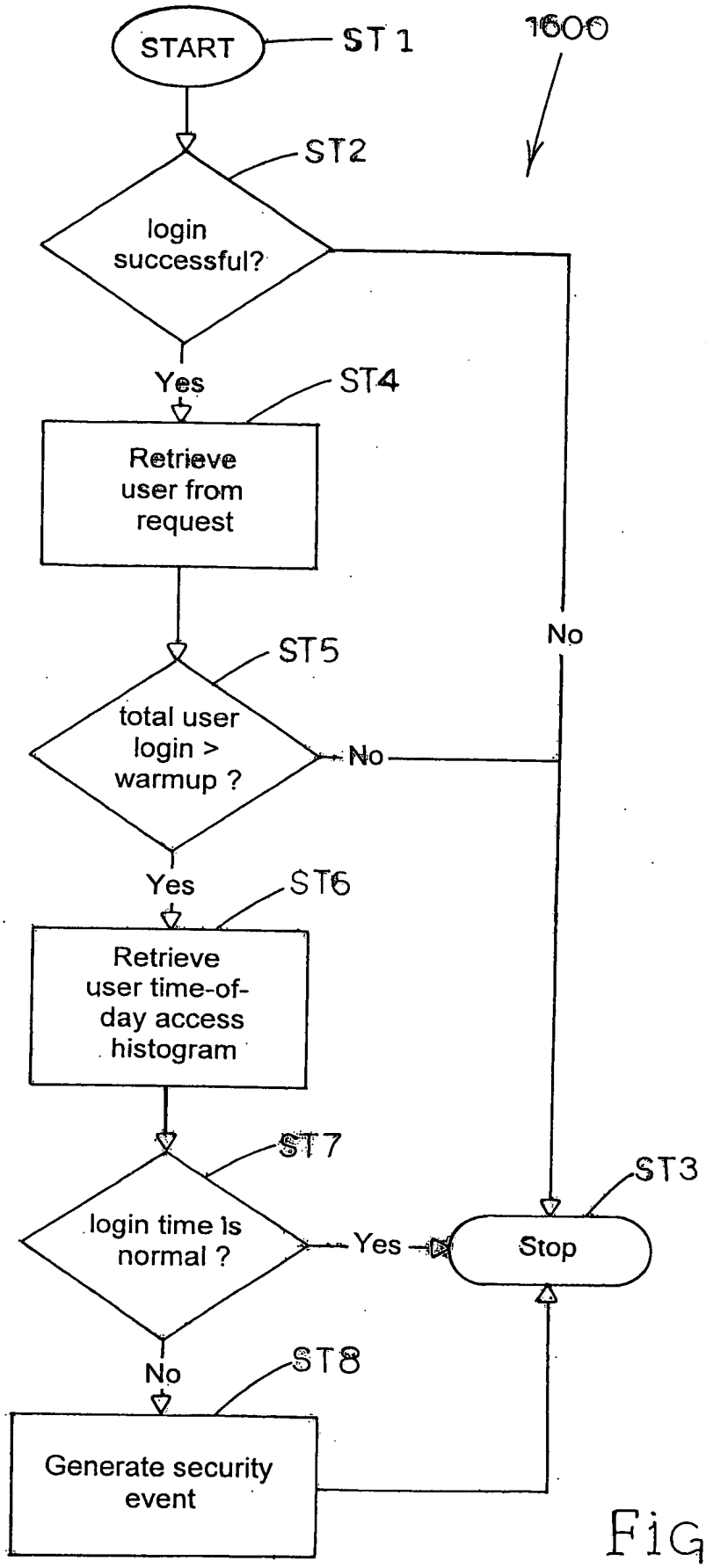

START
ST 1
1600
ST2
login successful?
Yes
No
ST4
Retrieve user from request
ST5
total user login > warmup ?
No
Yes
ST6
Retrieve user time-of-day access histogram
ST7
login time is normal ?
Yes
ST3
Stop
No
ST8
Generate security event

Fig. 16A

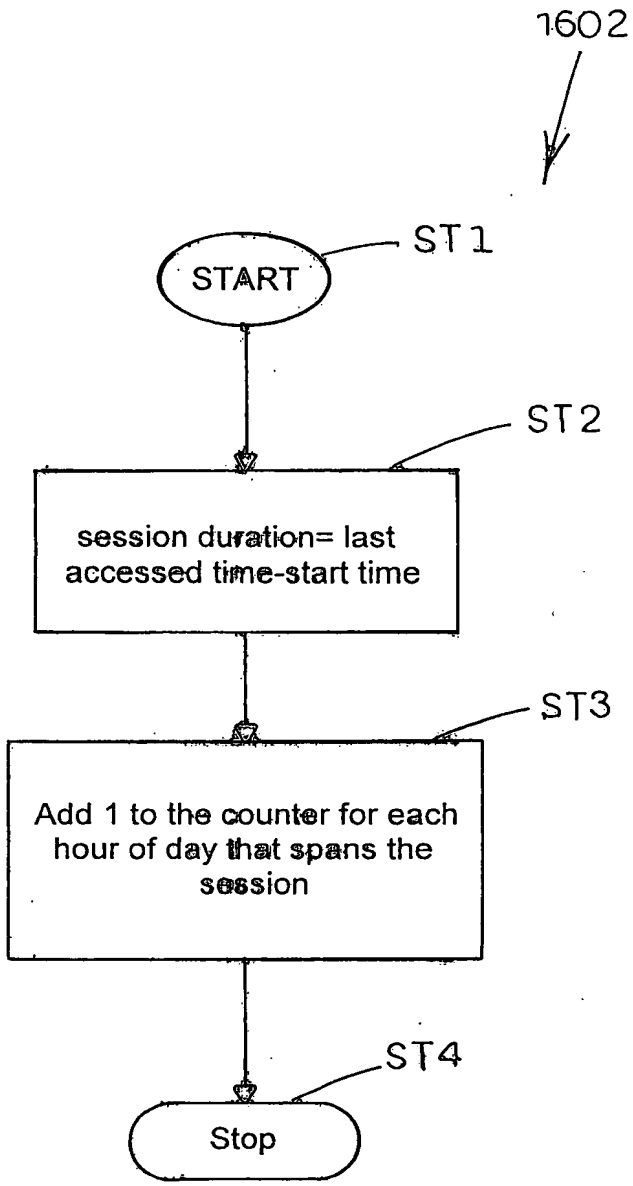

1602
ST1
START
ST2
session duration= last accessed time-start time
ST3
Add 1 to the counter for each hour of day that spans the session
ST4
Stop

FIG. 16B

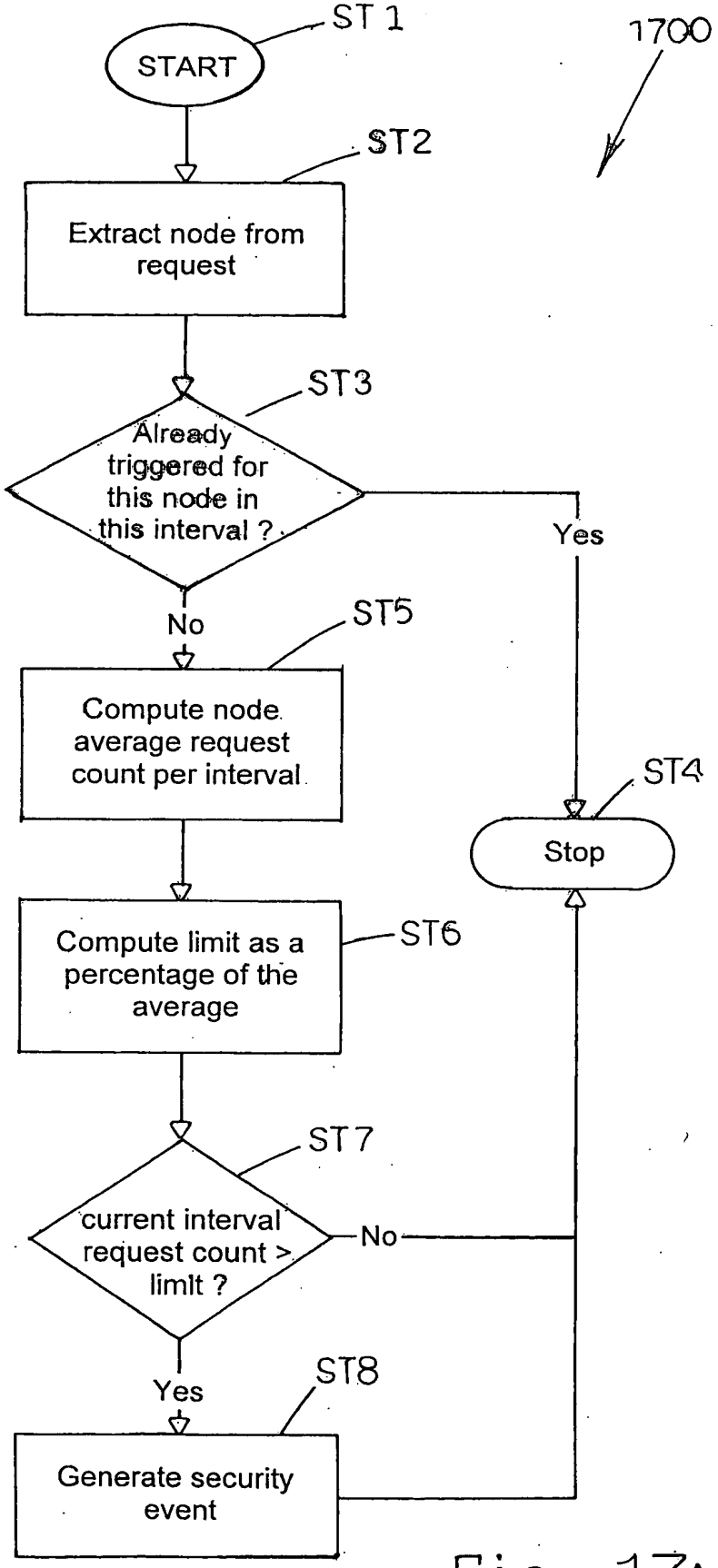

1700
ST 1
START
ST2
Extract node from request
ST3
Already triggered for this node in this interval ?
Yes
No
ST5
Compute node average request count per interval
ST4
Stop
Compute limit as a percentage of the average
ST6
ST7
current interval request count > limit ?
No
Yes
ST8
Generate security event

Fig. 17A

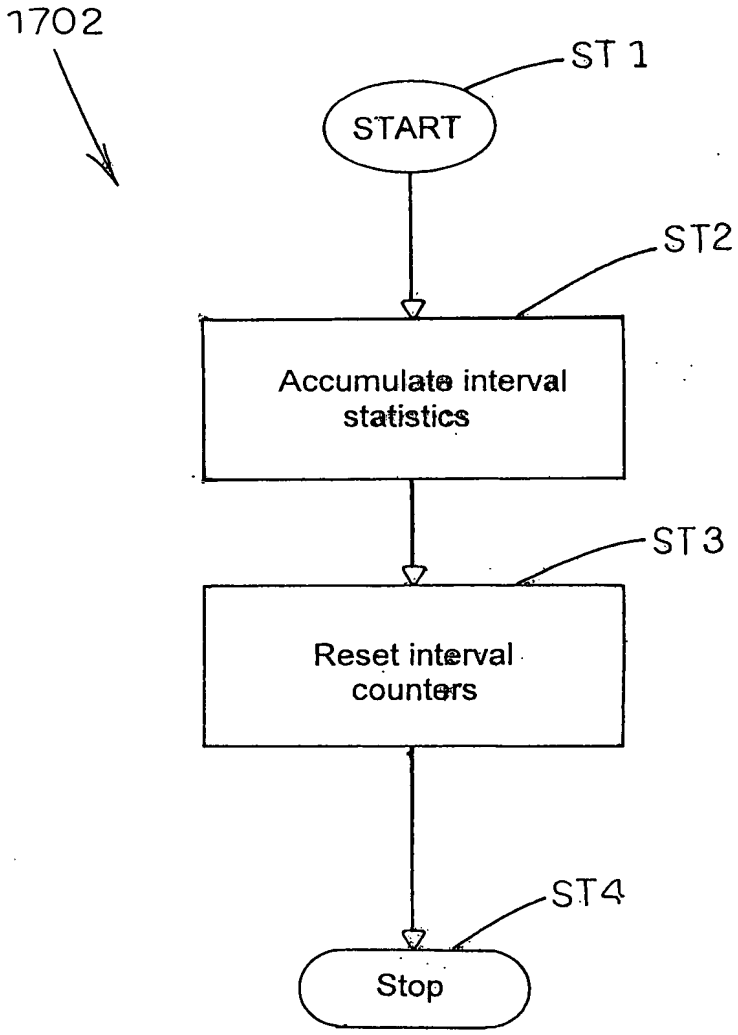

1702
ST 1
START
ST2
Accumulate interval statistics
ST3
Reset interval counters
ST4
Stop

Fig. 17B

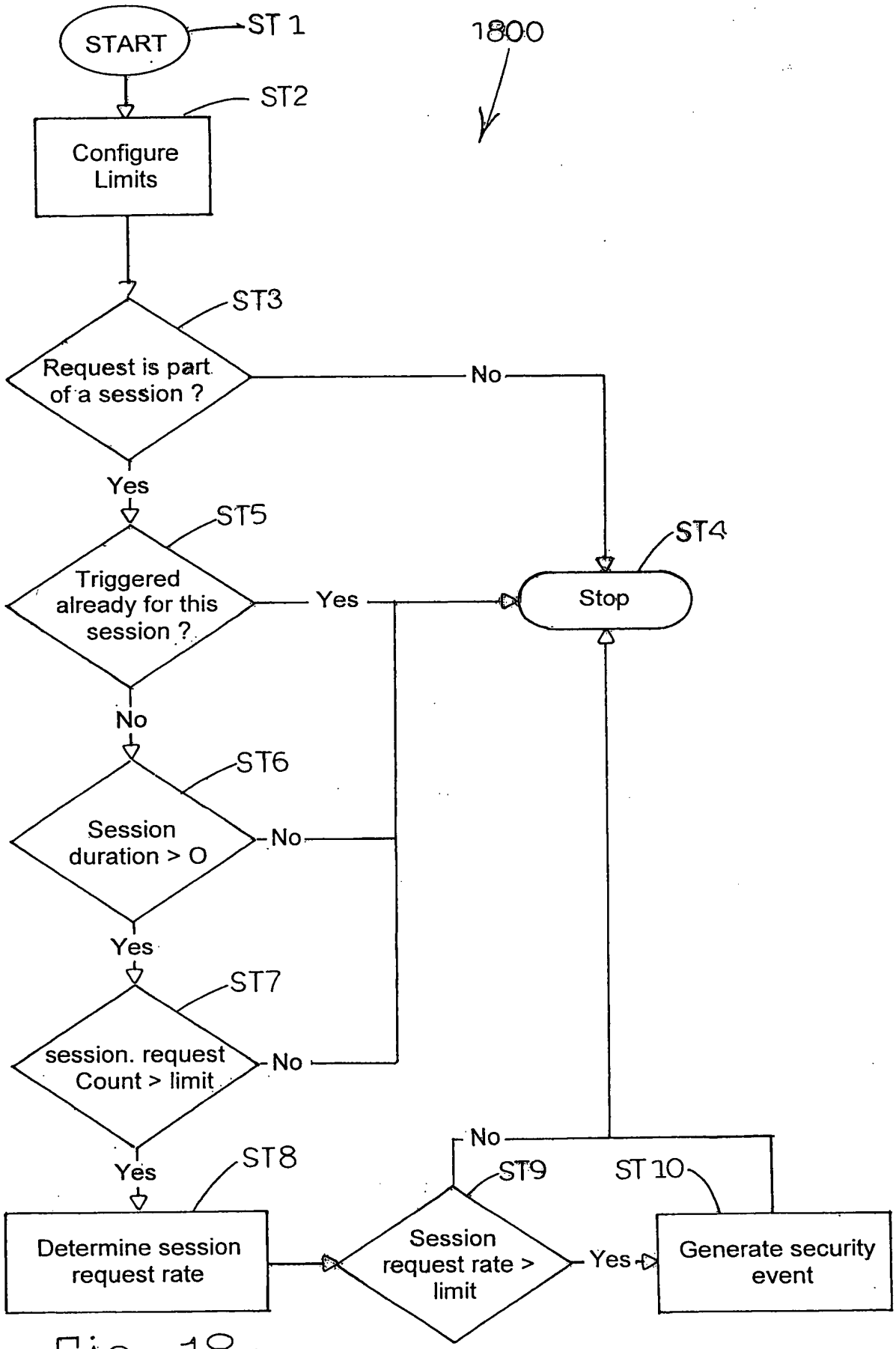

START
ST 1
1800
ST2
Configure Limits
ST3
Request is part of a session ?
No
Yes
ST5
Triggered already for this session ?
Yes
ST4
Stop
No
ST6
Session duration > O
No
Yes
ST7
session. request Count > limit
No
Yes
ST8
Determine session request rate
ST9
Session request rate > limit
Yes
No
ST 10
Generate security event

Fig. 18

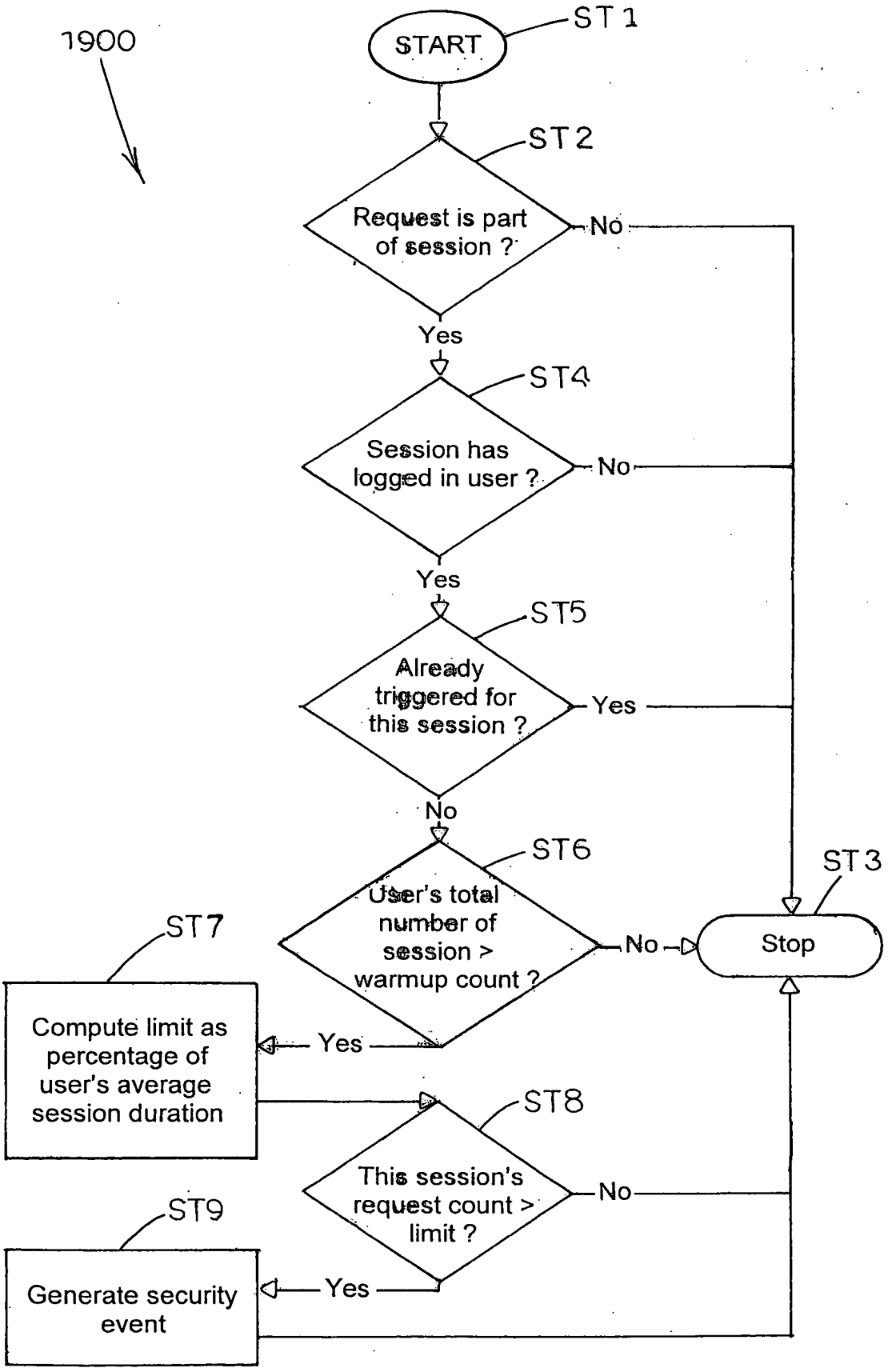

1900
START
ST 1
ST2
Request is part of session ?
No
Yes
ST4
Session has logged in user ?
No
Yes
ST5
Already triggered for this session ?
Yes
No
ST6
User's total number of session > warmup count ?
No
ST3
Stop
ST7
Compute limit as percentage of user's average session duration
Yes
ST8
This session's request count > limit ?
No
ST9
Generate security event
Yes

FIG · 19A

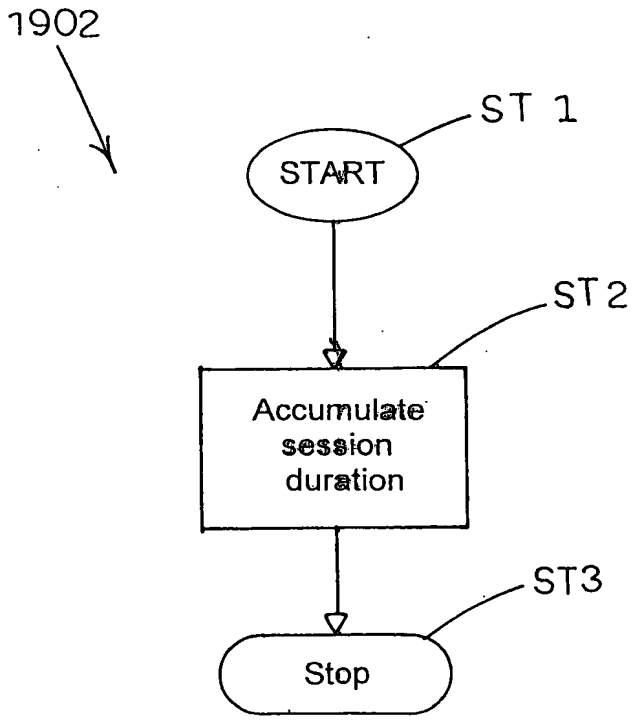


Fig. 19B

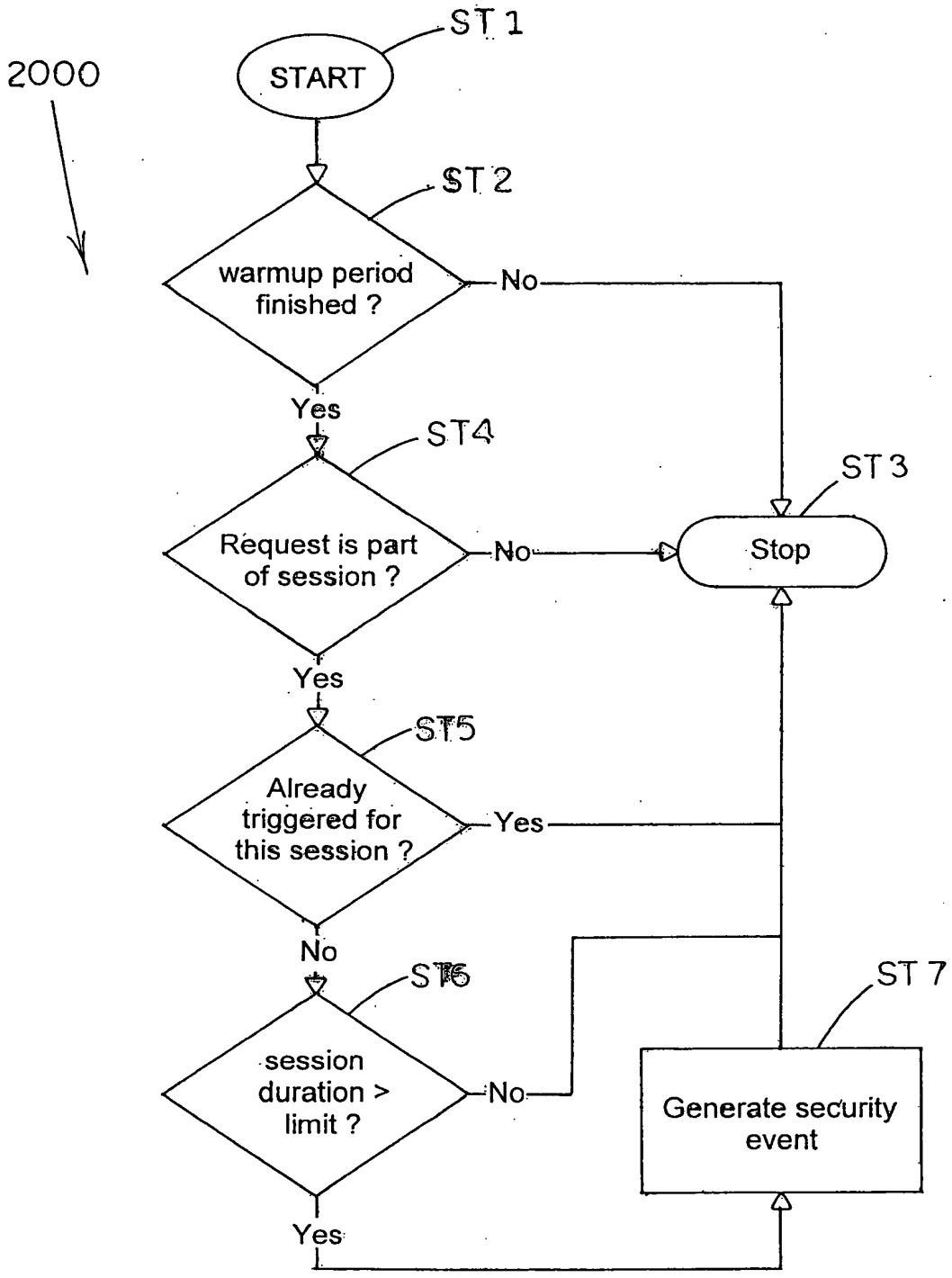

2000
START
ST 1
ST 2
warmup period finished ?
No
Yes
ST4
Request is part of session ?
No
ST 3
Stop
Yes
ST5
Already triggered for this session ?
Yes
No
ST6
session duration > limit ?
No
ST 7
Generate security event
Yes

FIG · 20A

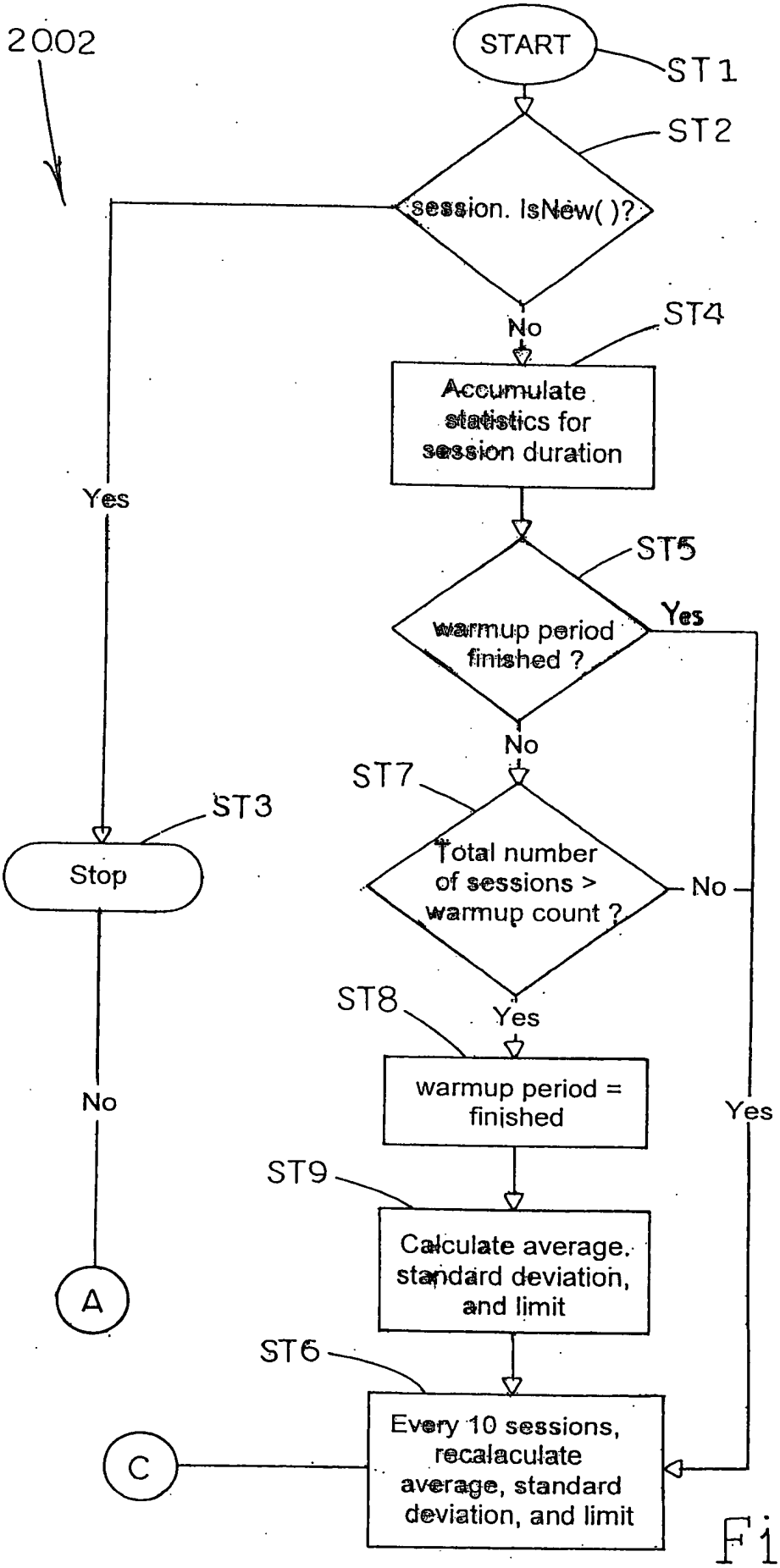

2002
START
ST1
ST2
session. IsNew( )?
No
ST4
Accumulate statistics for session duration
Yes
ST5
warmup period finished ?
Yes
No
ST7
Total number of sessions > warmup count ?
No
ST3
Stop
ST8
Yes
warmup period = finished
No
Yes
ST9
Calculate average, standard deviation, and limit
A
ST6
Every 10 sessions, recalaculate average, standard deviation, and limit
C

Fig. 20B

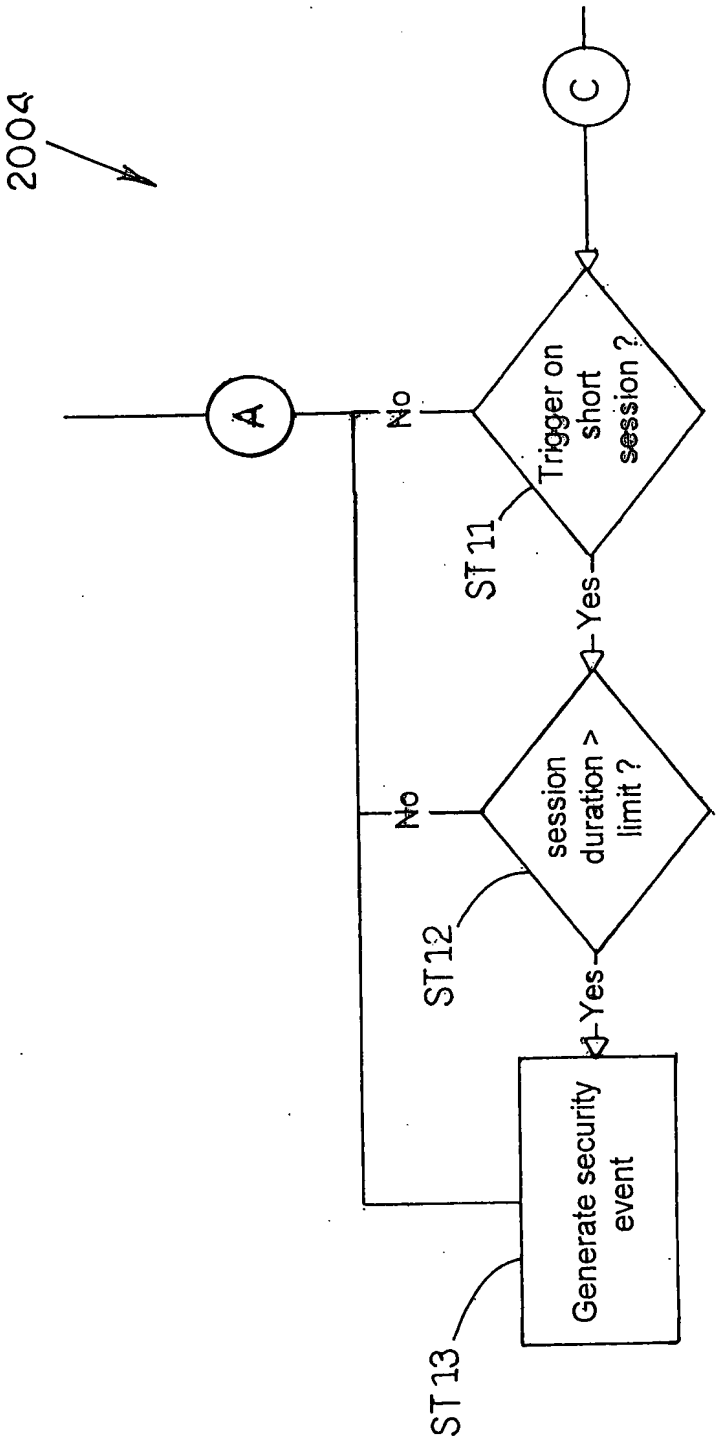

2004
A
C
No
Trigger on short session ?
ST11
Yes
No
session duration > limit ?
ST12
Yes
Generate security event
ST13

FIG. 20C

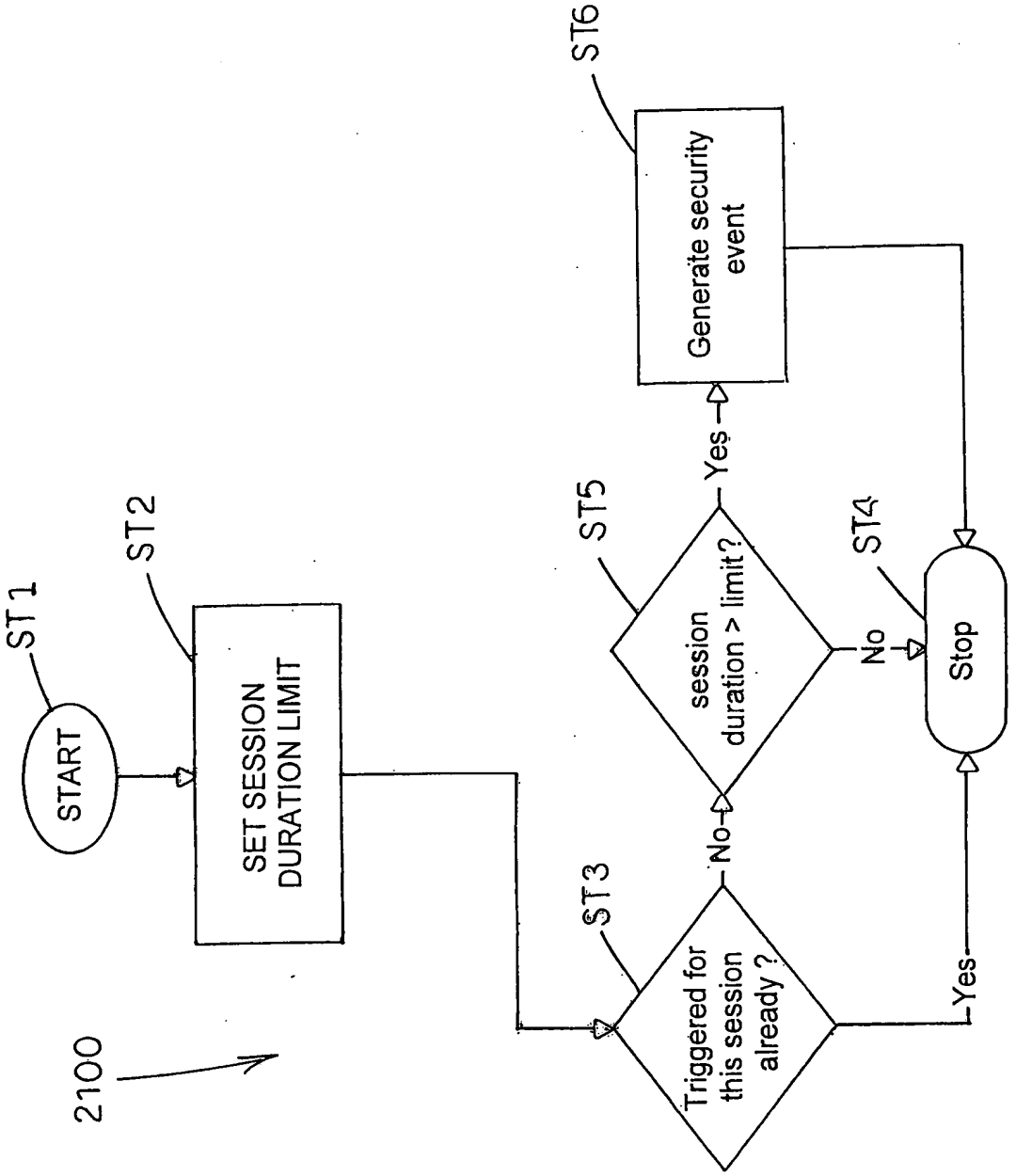

2100
START
ST1
SET SESSION DURATION LIMIT
ST2
Triggered for this session already ?
ST3
No
Yes
session duration > limit ?
ST5
No
Yes
Stop
ST4
Generate security event
ST6

FIG. 21

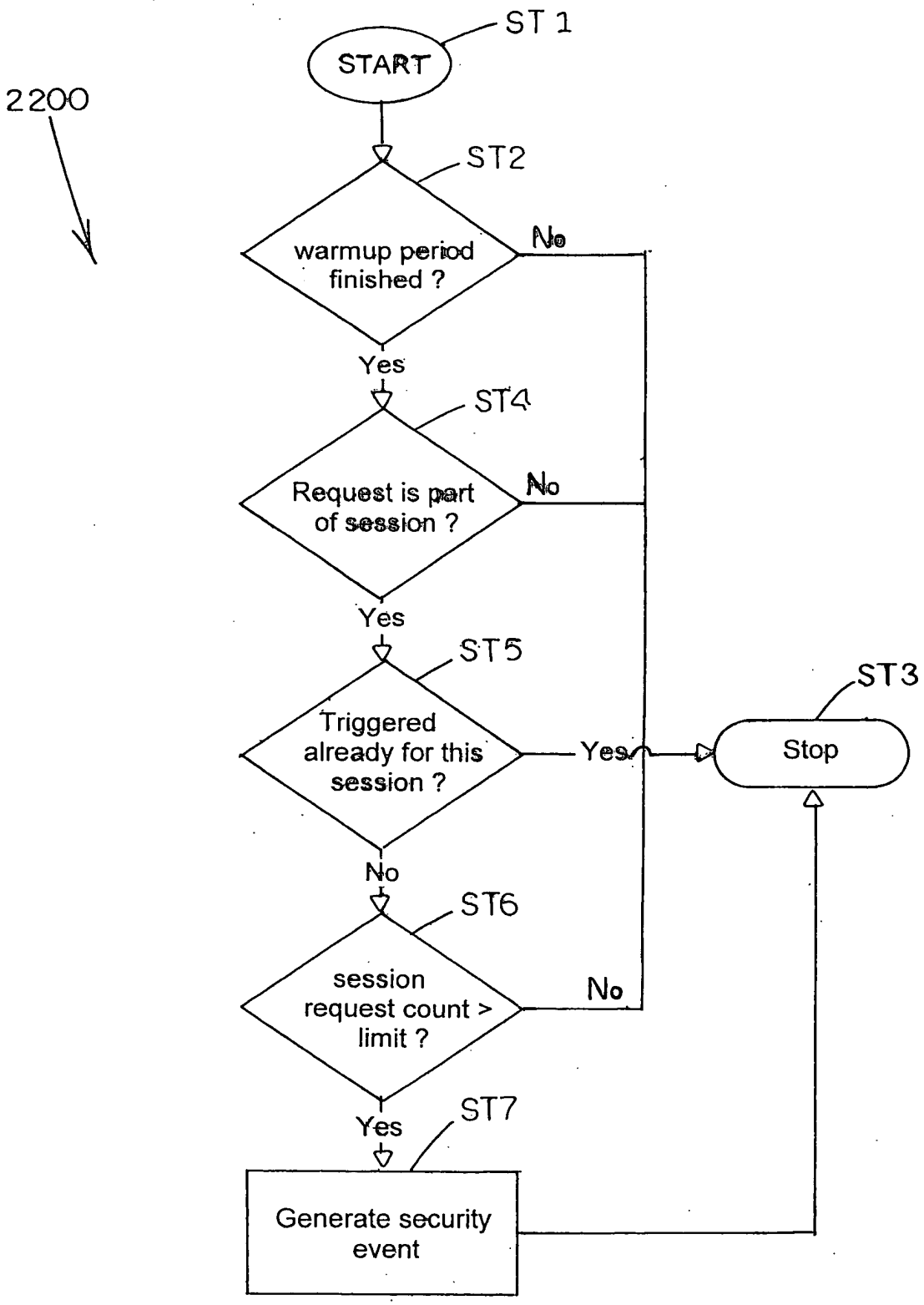

2200
ST 1
START
ST2
warmup period finished ?
No
Yes
ST4
Request is part of session ?
No
Yes
ST5
Triggered already for this session ?
Yes
ST3
Stop
No
ST6
session request count > limit ?
No
Yes
ST7
Generate security event

Fig. 22A

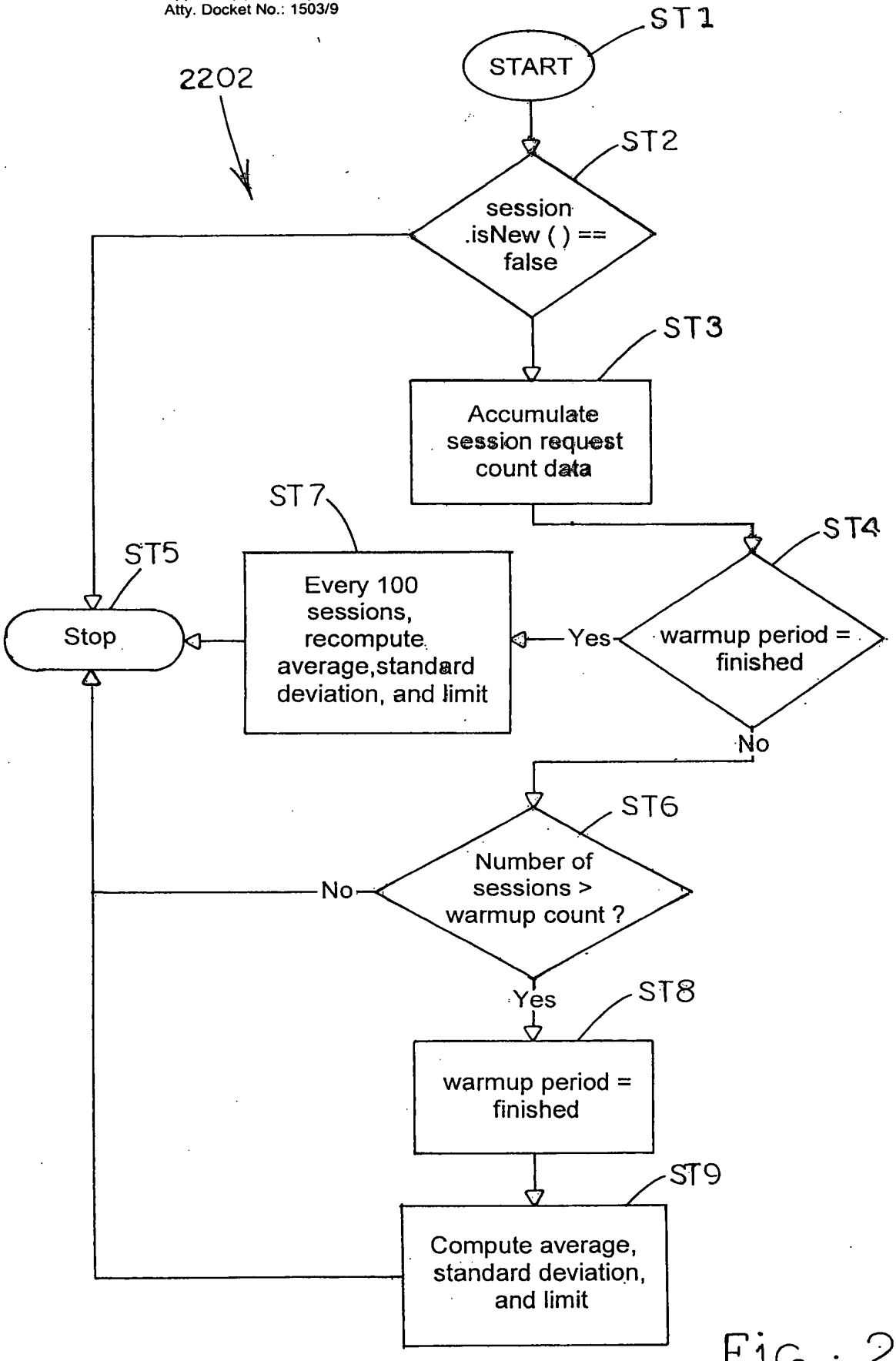

2202
ST1
START
ST2
session .isNew ( ) == false
ST3
Accumulate session request count data
ST4
warmup period = finished
Yes
No
ST5
Stop
ST7
Every 100 sessions, recompute average,standard deviation, and limit
ST6
Number of sessions > warmup count ?
No
Yes
ST8
warmup period = finished
ST9
Compute average, standard deviation, and limit

Fig. 22B

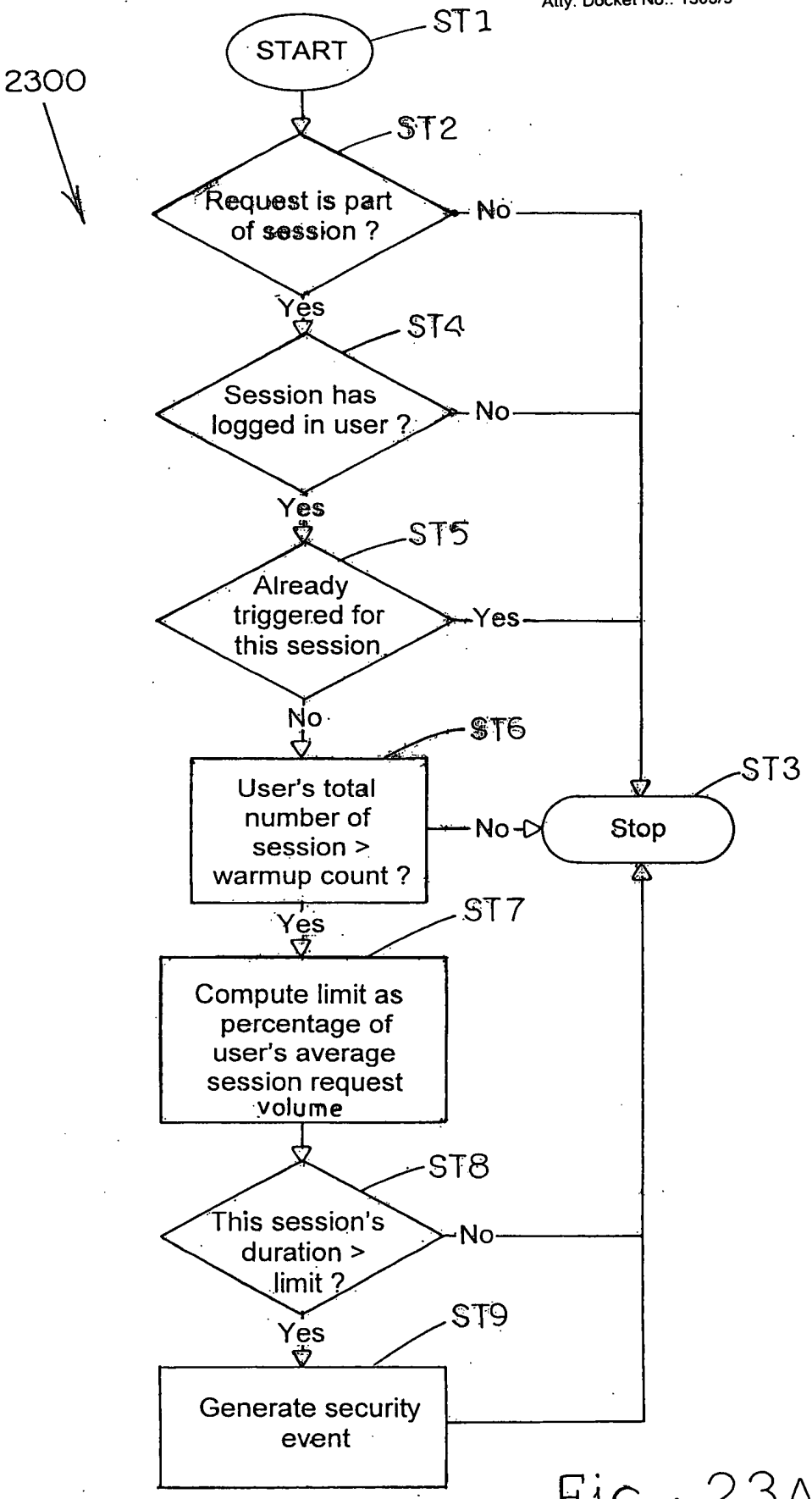

2300
START
ST1
ST2
Request is part of session ?
No
Yes
ST4
Session has logged in user ?
No
Yes
ST5
Already triggered for this session
Yes
No
ST6
User's total number of session > warmup count ?
No
ST3
Stop
Yes
ST7
Compute limit as percentage of user's average session request volume
ST8
This session's duration > limit ?
No
Yes
ST9
Generate security event

FIG. 23A

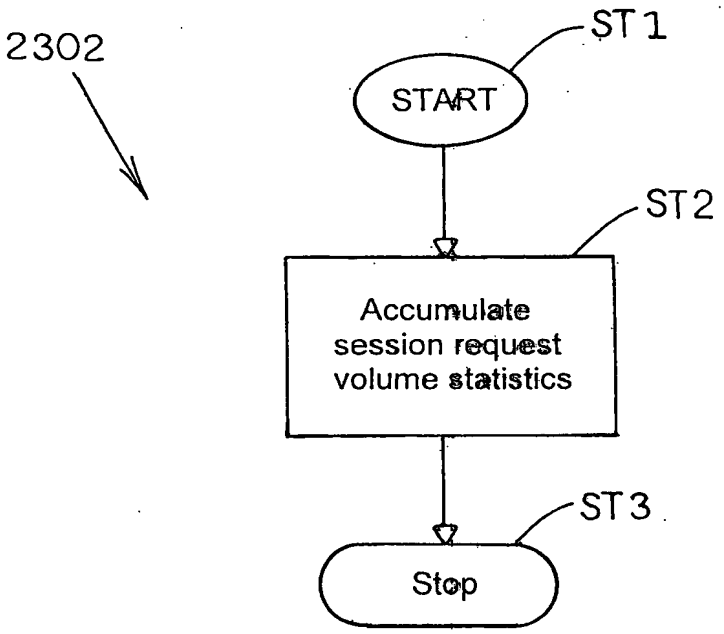

2302
ST1
START
ST2
Accumulate session request volume statistics
ST3
Stop

FIG. 23B

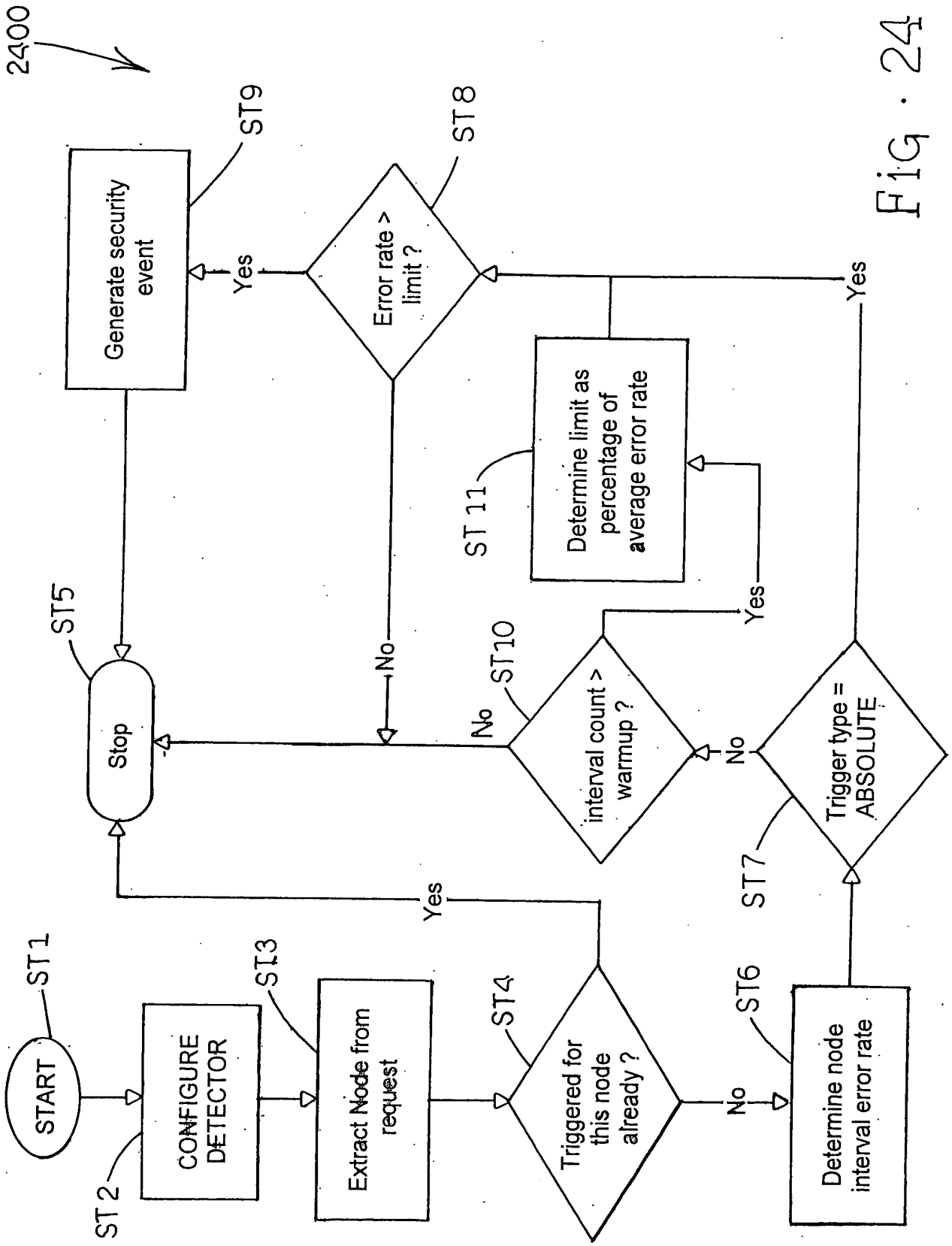

2400
START
ST 1
CONFIGURE DETECTOR
ST 2
Extract Node from request
ST3
Triggered for this node already ?
ST4
Determine node interval error rate
ST6
Trigger type = ABSOLUTE
ST7
interval count > warmup ?
ST10
Determine limit as percentage of average error rate
ST 11
Error rate > limit ?
ST8
Generate security event
ST9
Stop
ST5
Yes
No
Yes
No
Yes
No
Yes
No

FIG. 24

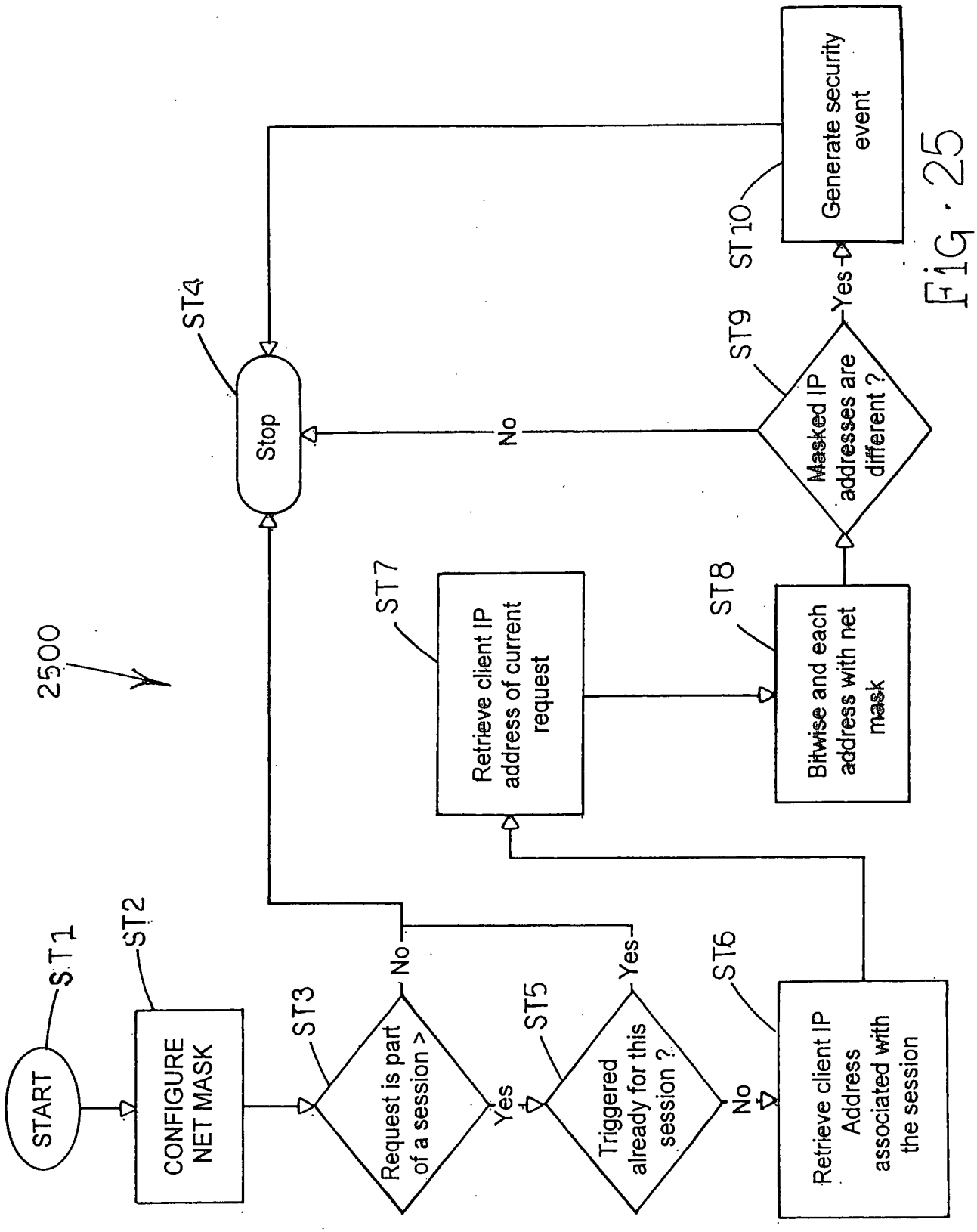

2500
START
ST1
CONFIGURE NET MASK
ST2
ST3
Request is part of a session >
No
Yes
ST5
Triggered already for this session ?
Yes
No
ST6
Retrieve client IP Address associated with the session
Retrieve client IP address of current request
ST7
Bitwise and each address with net mask
ST8
Masked IP addresses are different ?
ST9
Yes
No
ST10
Generate security event
Stop
ST4

FIG. 25

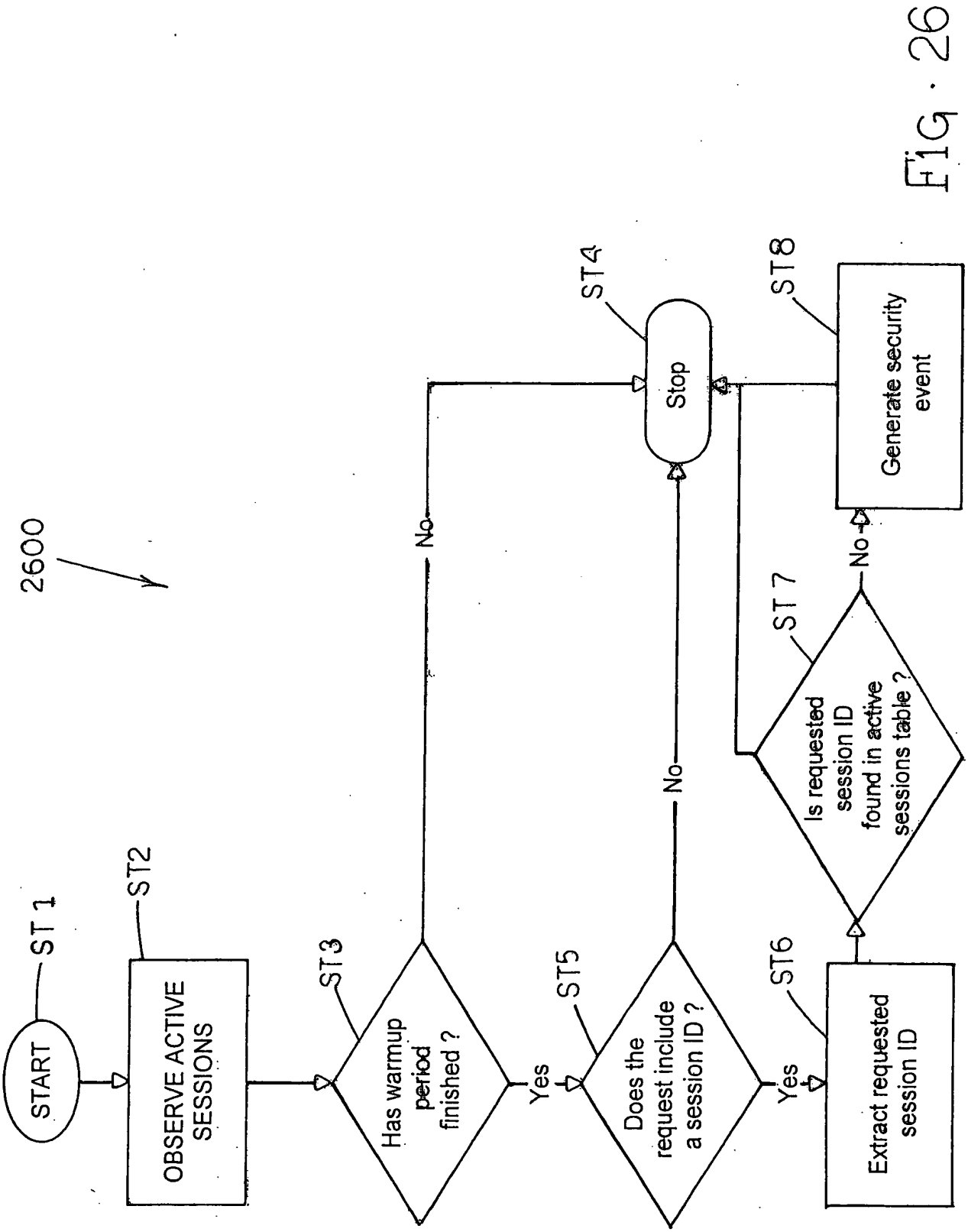

2600
START
ST 1
OBSERVE ACTIVE SESSIONS
ST2
Has warmup period finished ?
ST3
No
Yes
Stop
ST4
Does the request include a session ID ?
ST5
No
Yes
Extract requested session ID
ST6
Is requested session ID found in active sessions table ?
ST 7
No
Generate security event
ST8

FIG. 26

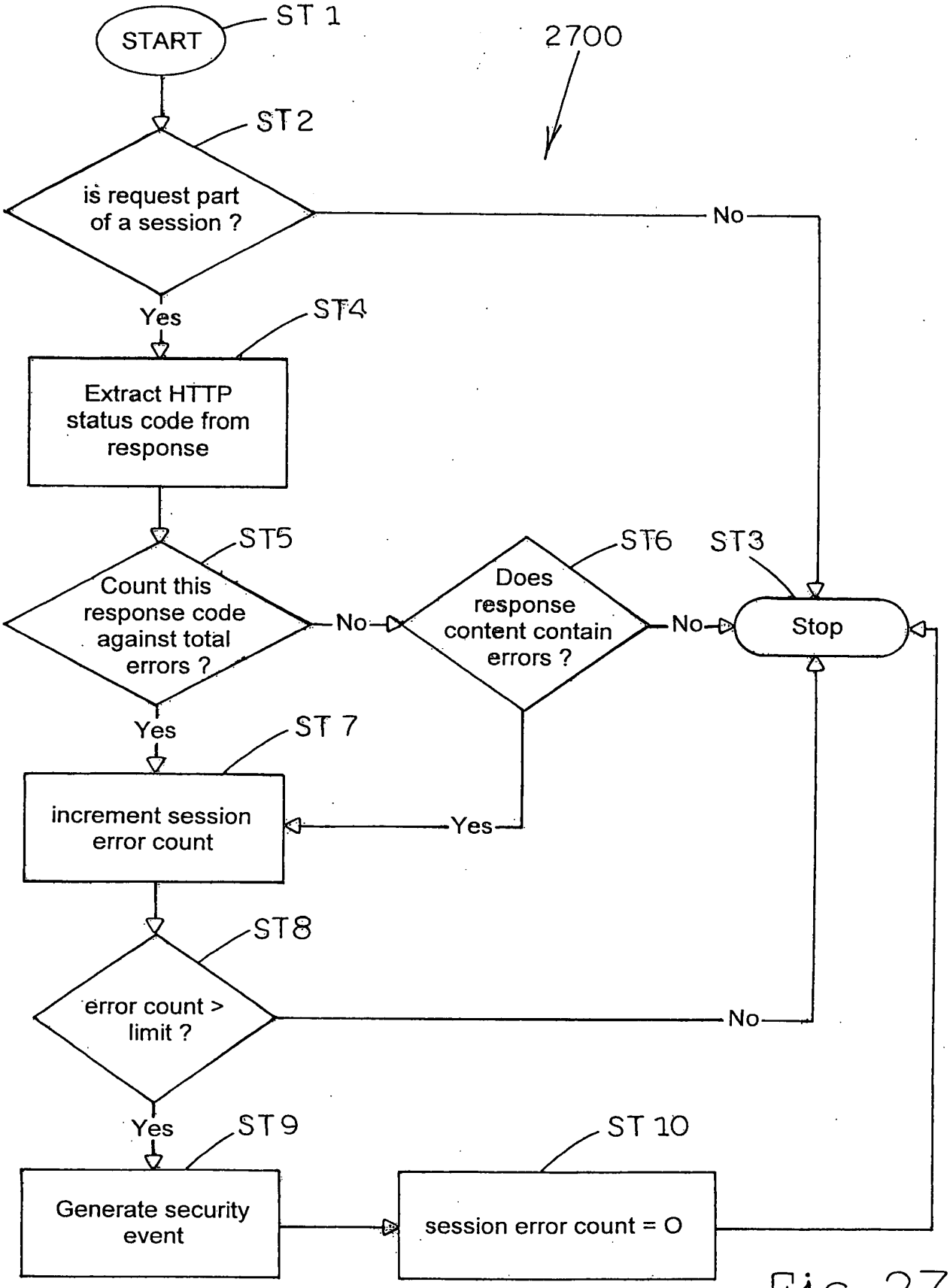

START
ST 1
2700
ST2
is request part of a session ?
No
Yes
ST4
Extract HTTP status code from response
ST5
Count this response code against total errors ?
No
ST6
Does response content contain errors ?
No
ST3
Stop
Yes
ST 7
increment session error count
Yes
ST8
error count > limit ?
No
Yes
ST 9
Generate security event
ST 10
session error count = O

Fig. 27

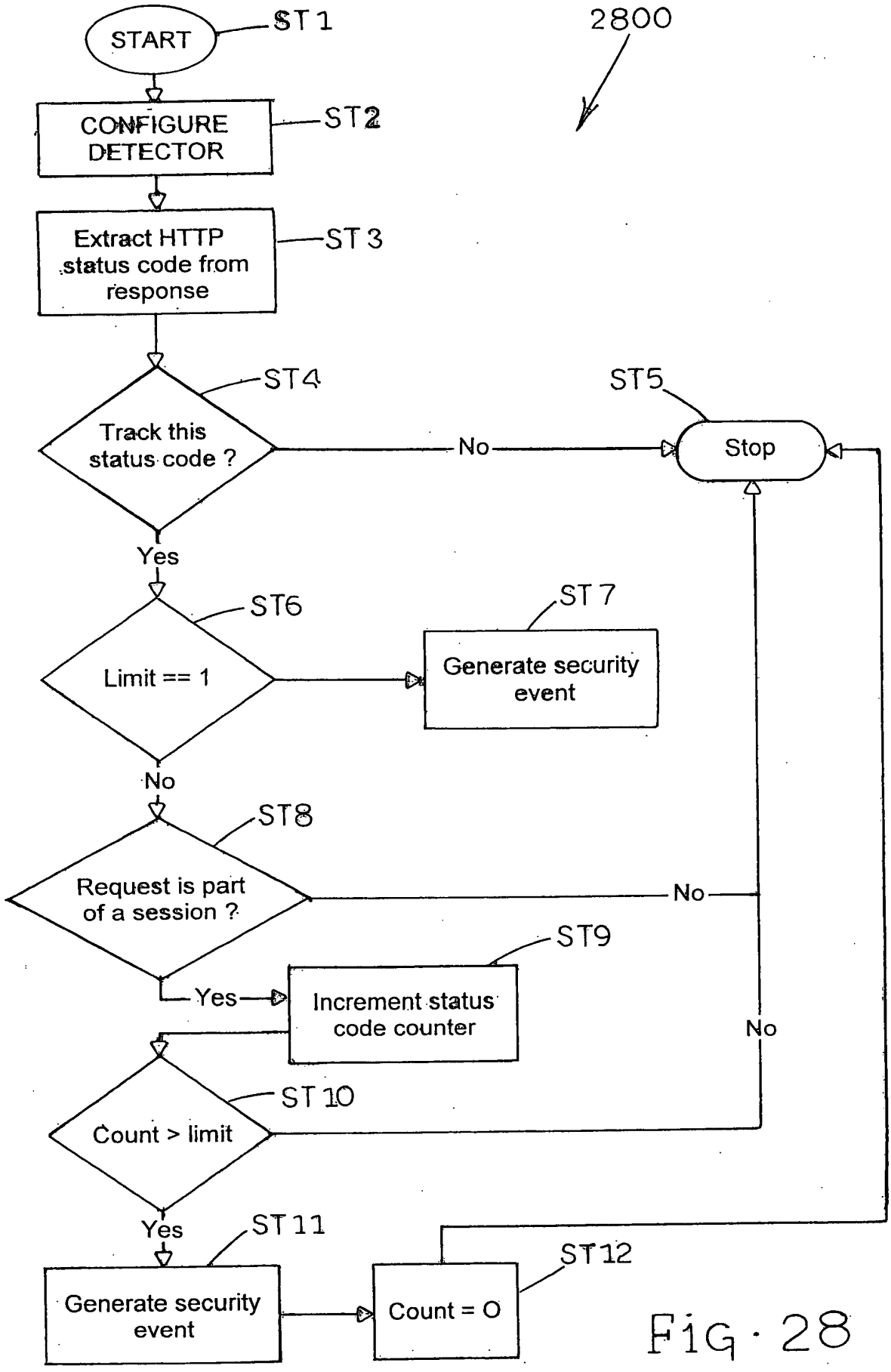

2800
START
ST 1
CONFIGURE DETECTOR
ST2
Extract HTTP status code from response
ST 3
Track this status code ?
ST4
No
ST5
Stop
Yes
Limit == 1
ST6
Generate security event
ST 7
No
Request is part of a session ?
ST8
No
Yes
Increment status code counter
ST9
No
Count > limit
ST 10
Yes
Generate security event
ST 11
Count = O
ST12

Fig. 28

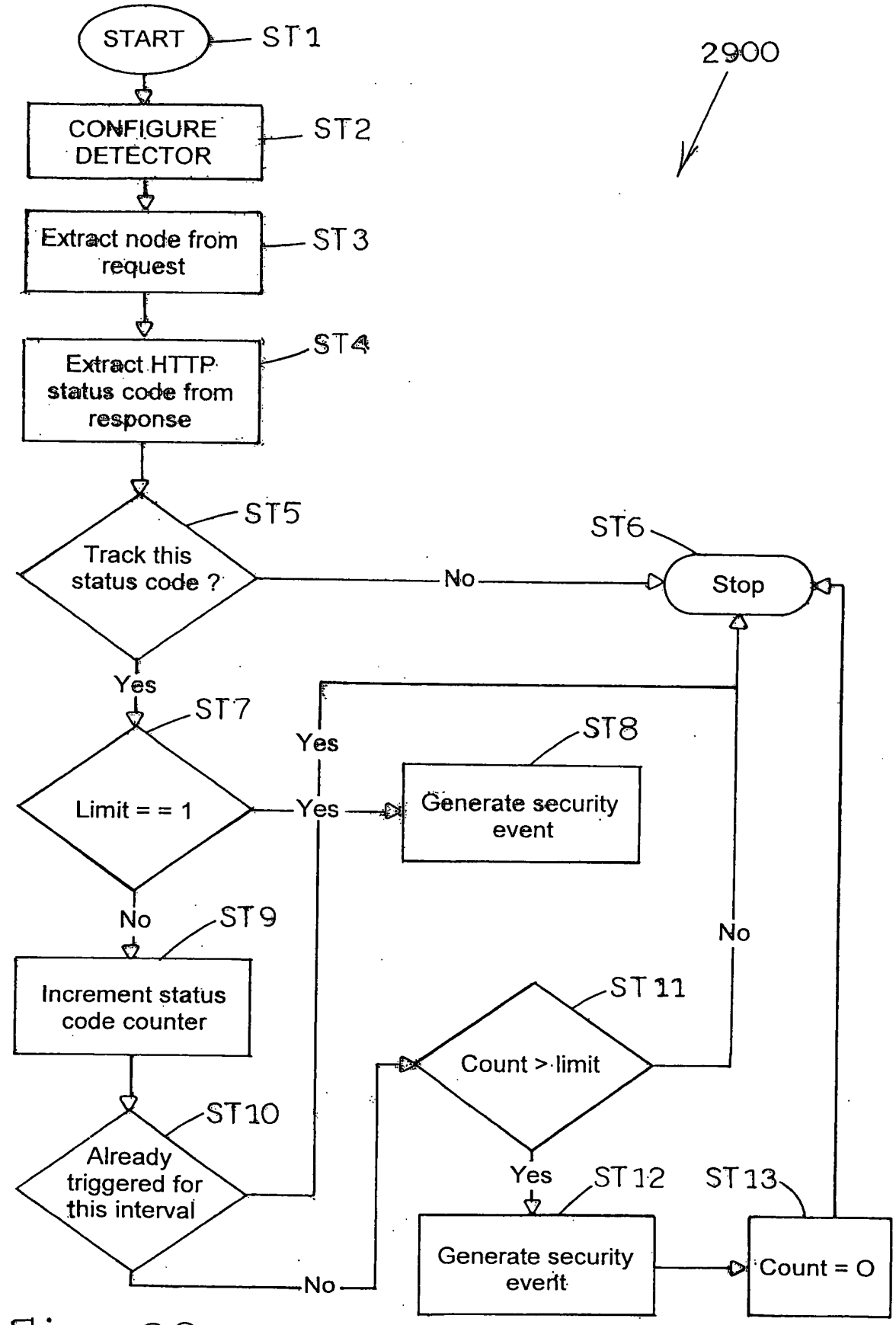

START
ST1
2900
CONFIGURE DETECTOR
ST2
Extract node from request
ST3
Extract HTTP status code from response
ST4
Track this status code ?
ST5
No
ST6
Stop
Yes
ST7
Limit = = 1
Yes
Yes
ST8
Generate security event
No
ST9
Increment status code counter
ST10
Already triggered for this interval
No
ST11
Count > limit
No
Yes
ST12
Generate security event
ST13
Count = 0

Fig. 29

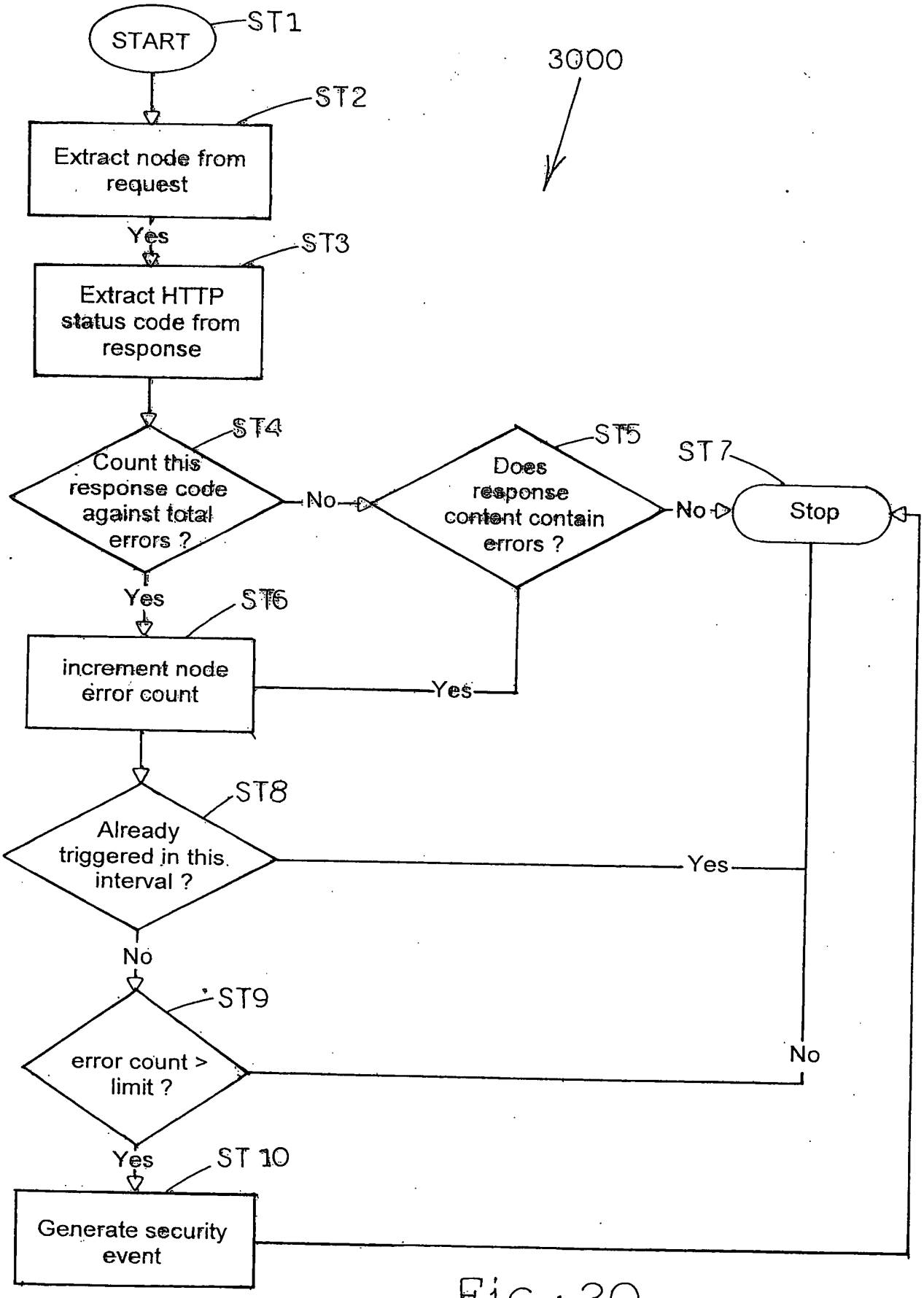

START
ST1
3000
ST2
Extract node from request
Yes
ST3
Extract HTTP status code from response
ST4
Count this response code against total errors ?
No
ST5
Does response content contain errors ?
ST7
No
Stop
Yes
ST6
increment node error count
Yes
ST8
Already triggered in this interval ?
Yes
No
ST9
error count > limit ?
No
Yes
ST 10
Generate security event

Fig. 30

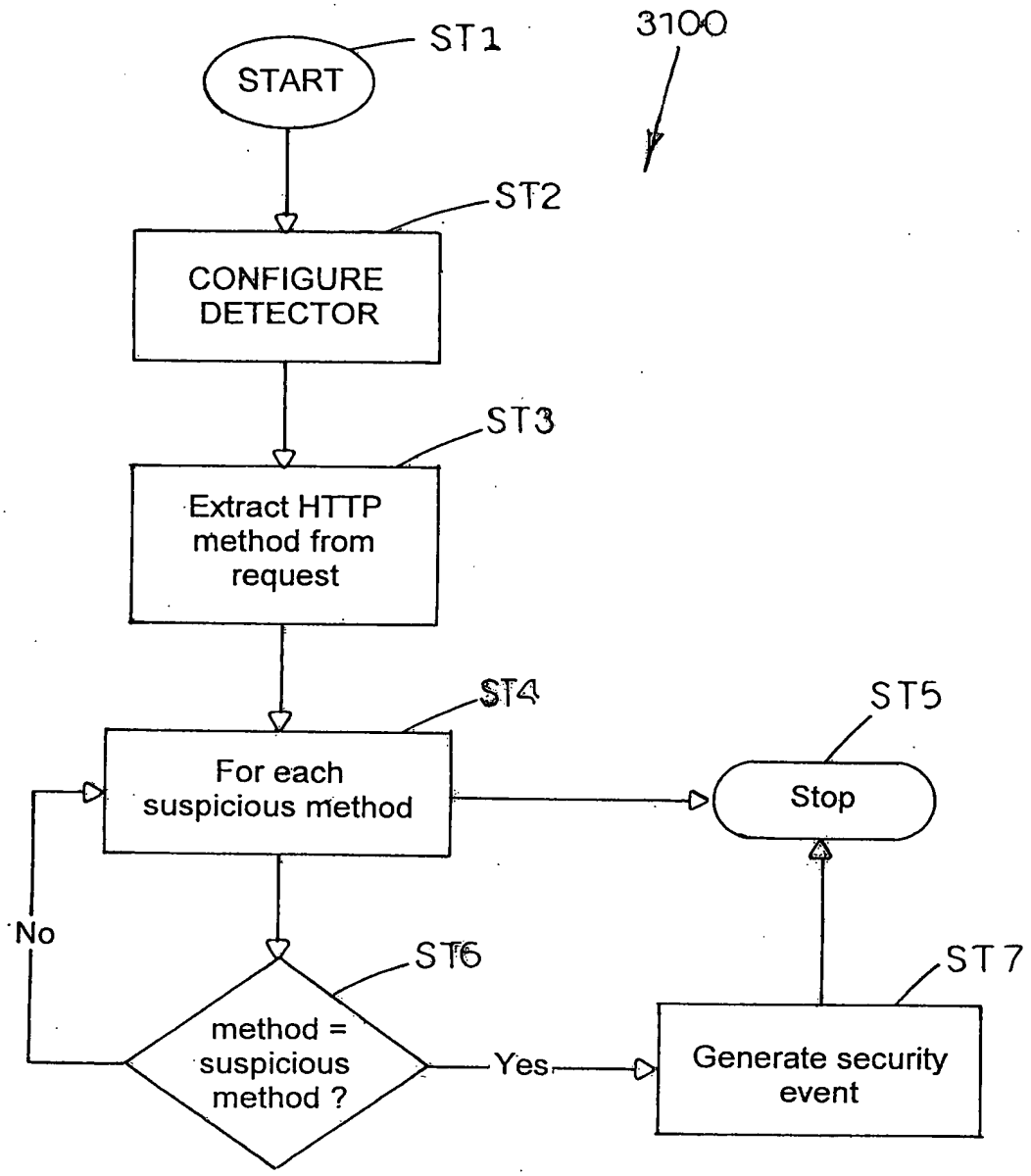

3100
ST1
START
ST2
CONFIGURE DETECTOR
ST3
Extract HTTP method from request
ST4
For each suspicious method
ST5
Stop
No
ST6
method = suspicious method ?
Yes
ST7
Generate security event

Fig. 31

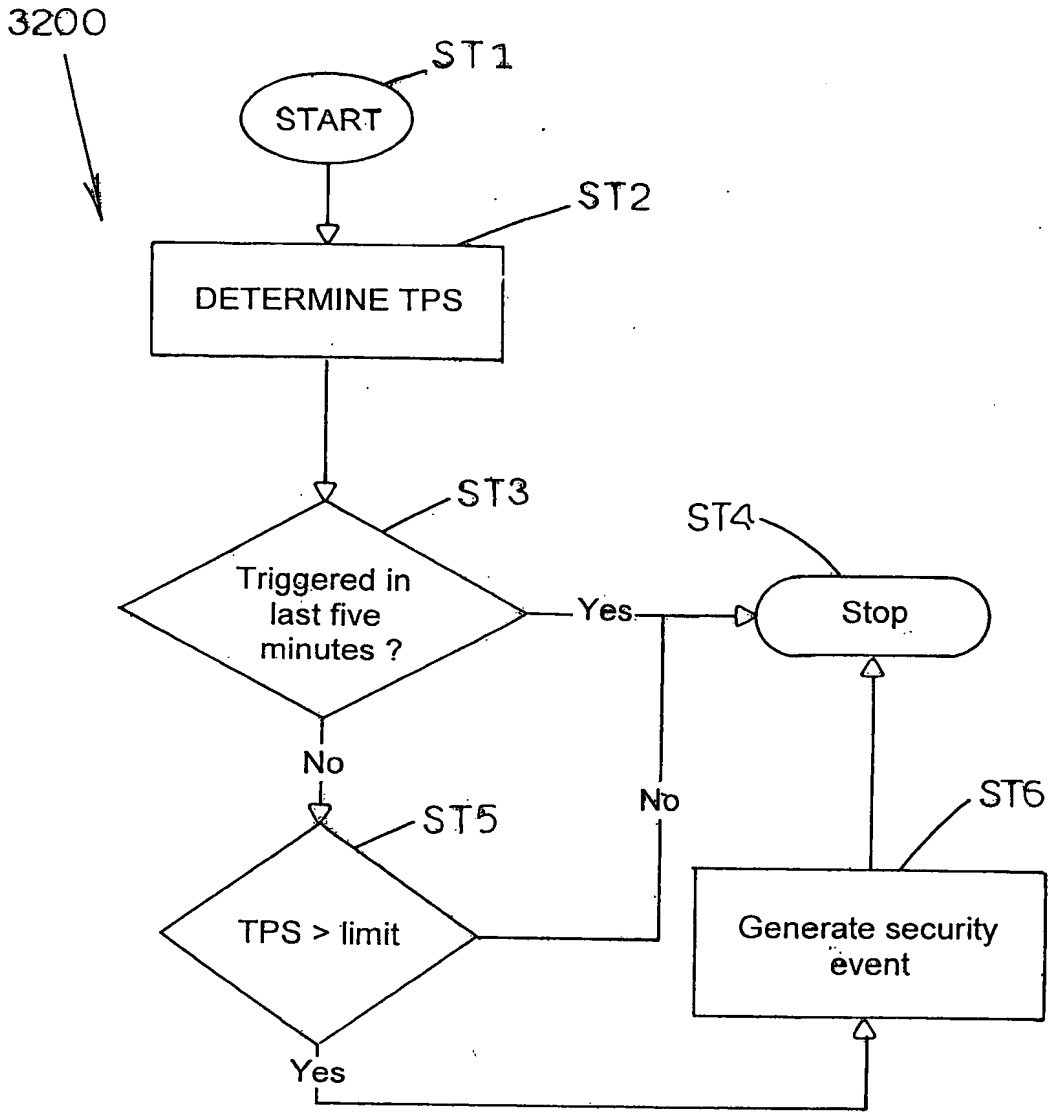
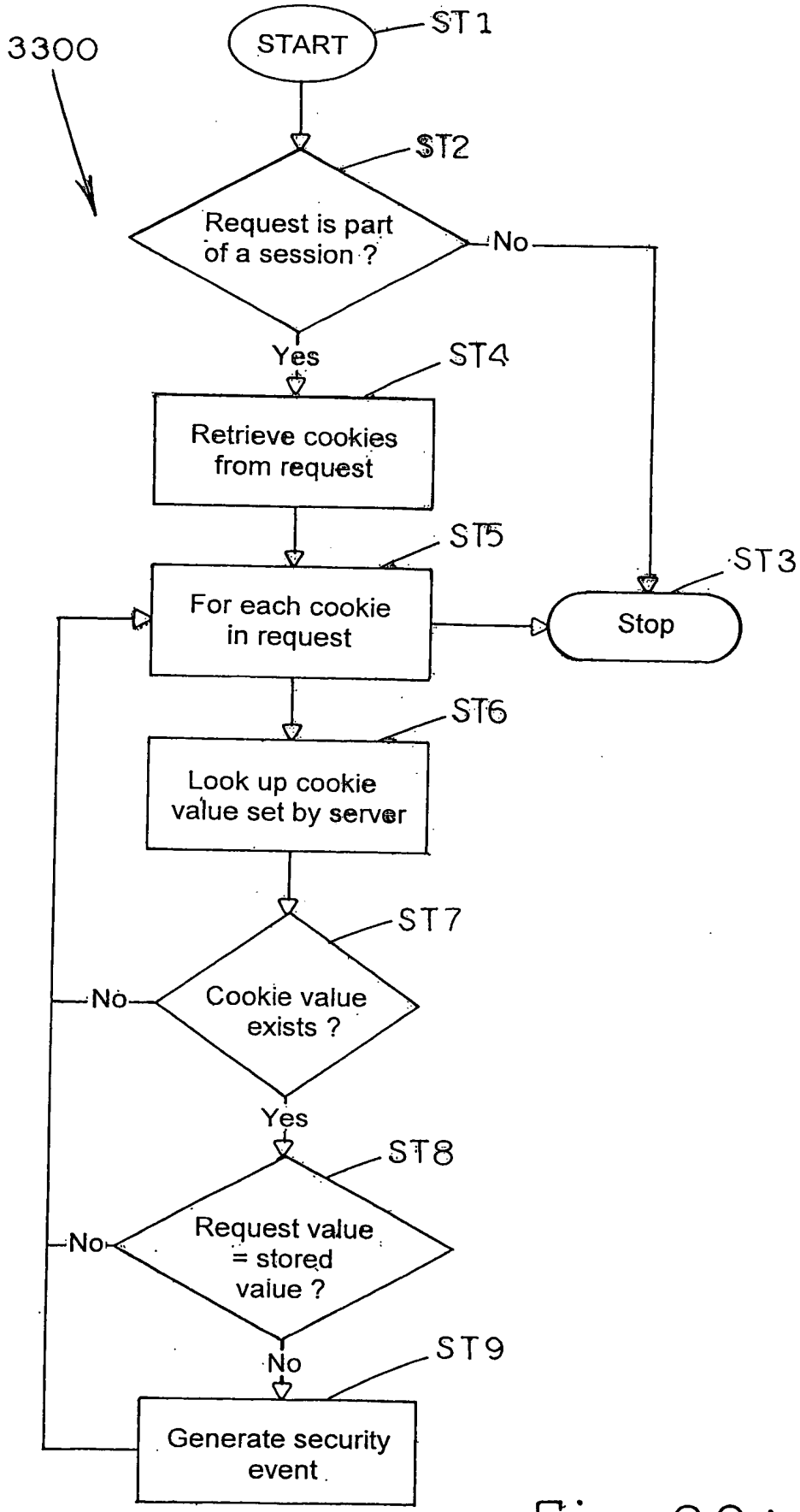

3200
ST1
START
ST2
DETERMINE TPS
ST3
Triggered in last five minutes ?
Yes
ST4
Stop
No
ST5
TPS > limit
No
ST6
Generate security event
Yes

Fig. 32


3300
START
ST1
ST2
Request is part of a session ?
No
Yes
ST4
Retrieve cookies from request
ST5
For each cookie in request
ST3
Stop
ST6
Look up cookie value set by server
ST7
No
Cookie value exists ?
Yes
ST8
No
Request value = stored value ?
No
ST9
Generate security event

Fig·33A

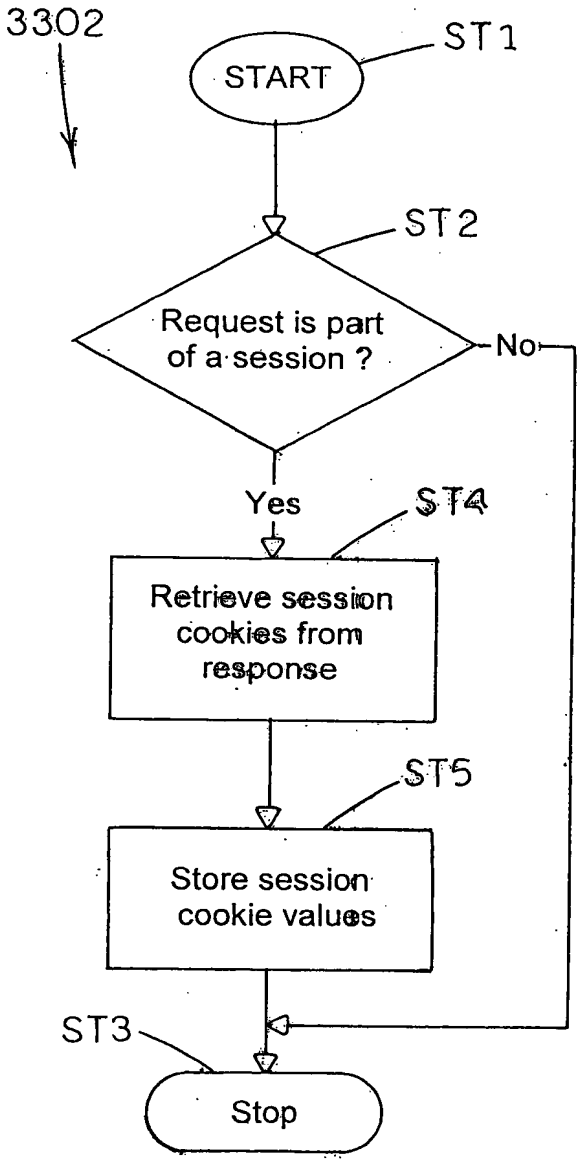

3302
START
ST1
ST2
Request is part of a session ?
No
Yes
ST4
Retrieve session cookies from response
ST5
Store session cookie values
ST3
Stop

FIG. 33B

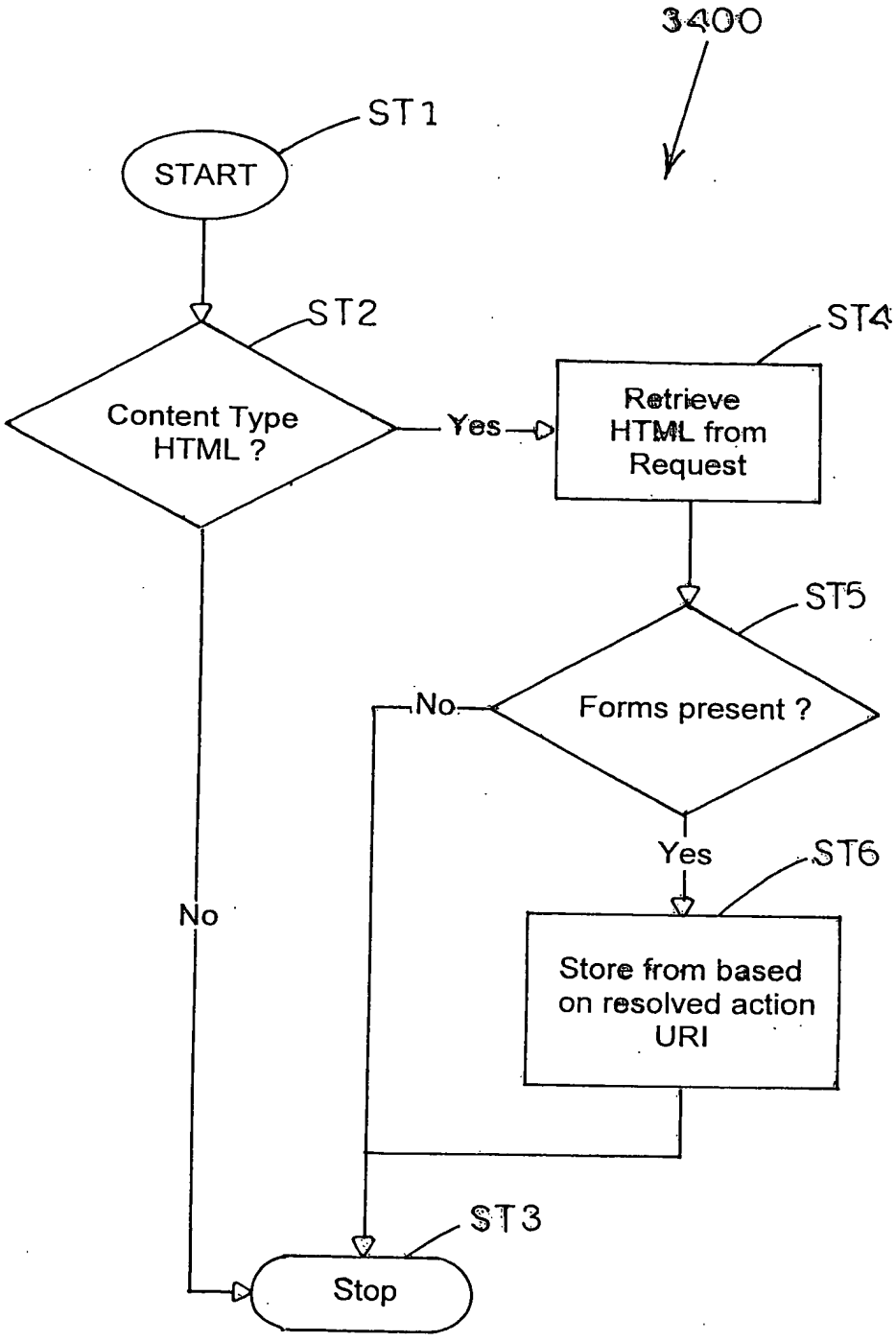

3400
ST1
START
ST2
Content Type HTML ?
Yes
ST4
Retrieve HTML from Request
ST5
Forms present ?
No
Yes
ST6
Store from based on resolved action URI
No
ST3
Stop

FIG. 34A

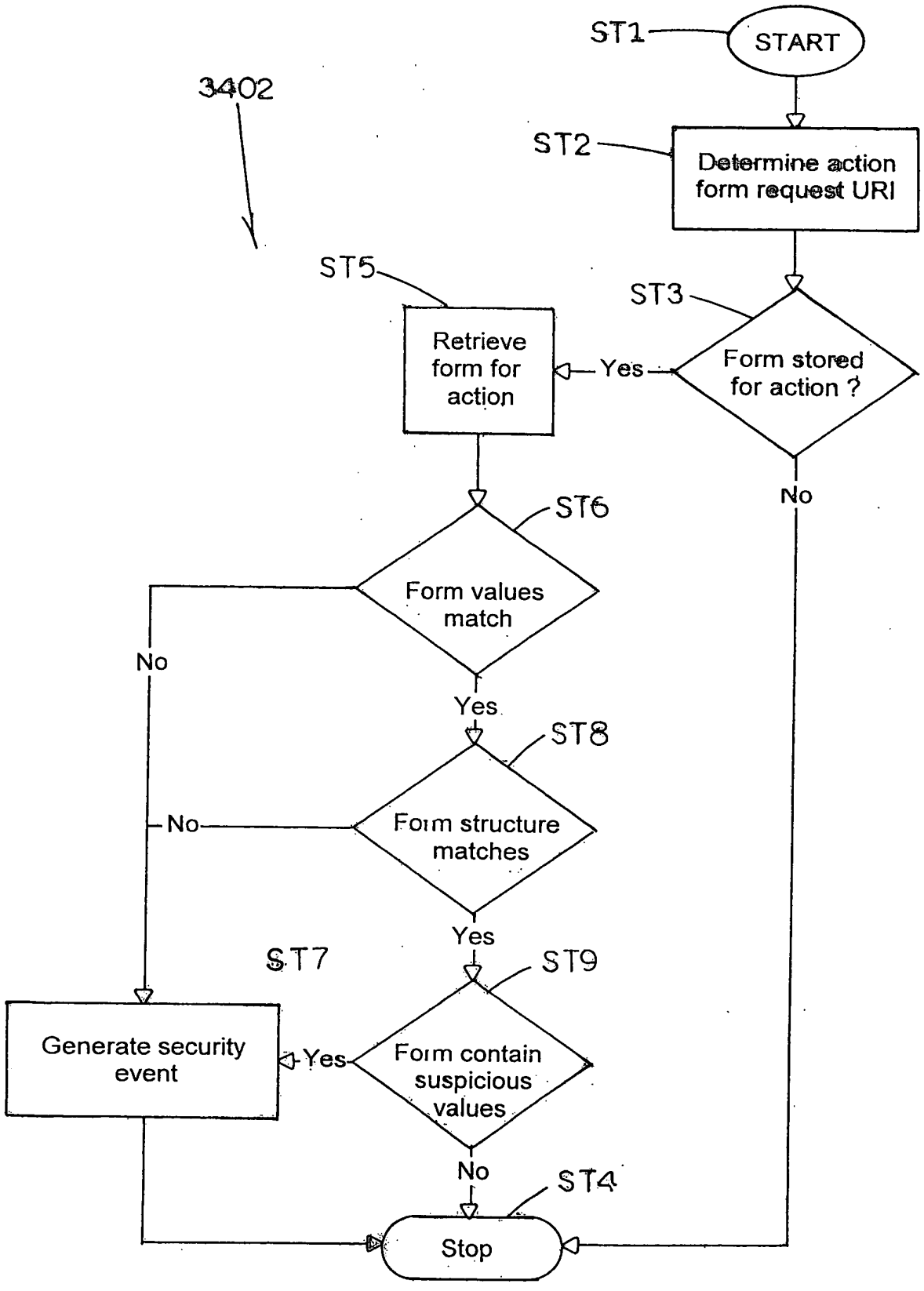

3402
ST1
START
ST2
Determine action form request URI
ST3
Form stored for action ?
Yes
No
ST5
Retrieve form for action
ST6
Form values match
No
Yes
ST8
Form structure matches
No
Yes
ST7
ST9
Generate security event
Yes
Form contain suspicious values
No
ST4
Stop

FIG · 34B

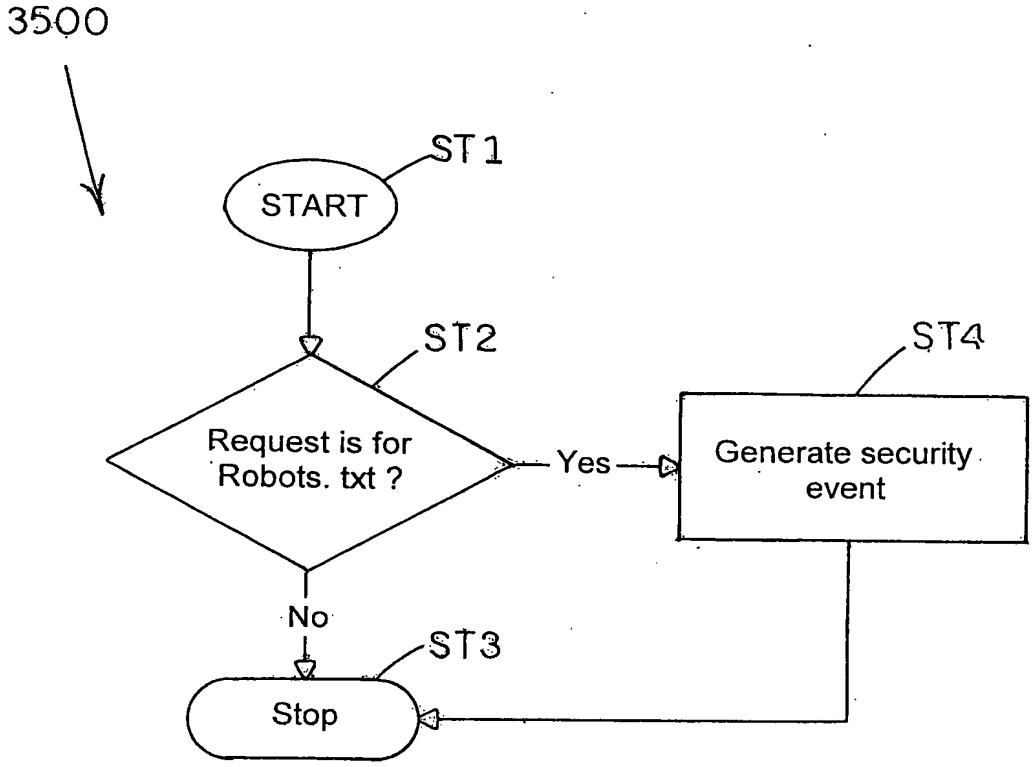

3500
ST1
START
ST2
Request is for Robots. txt ?
Yes
ST4
Generate security event
No
ST3
Stop

Fig. 35

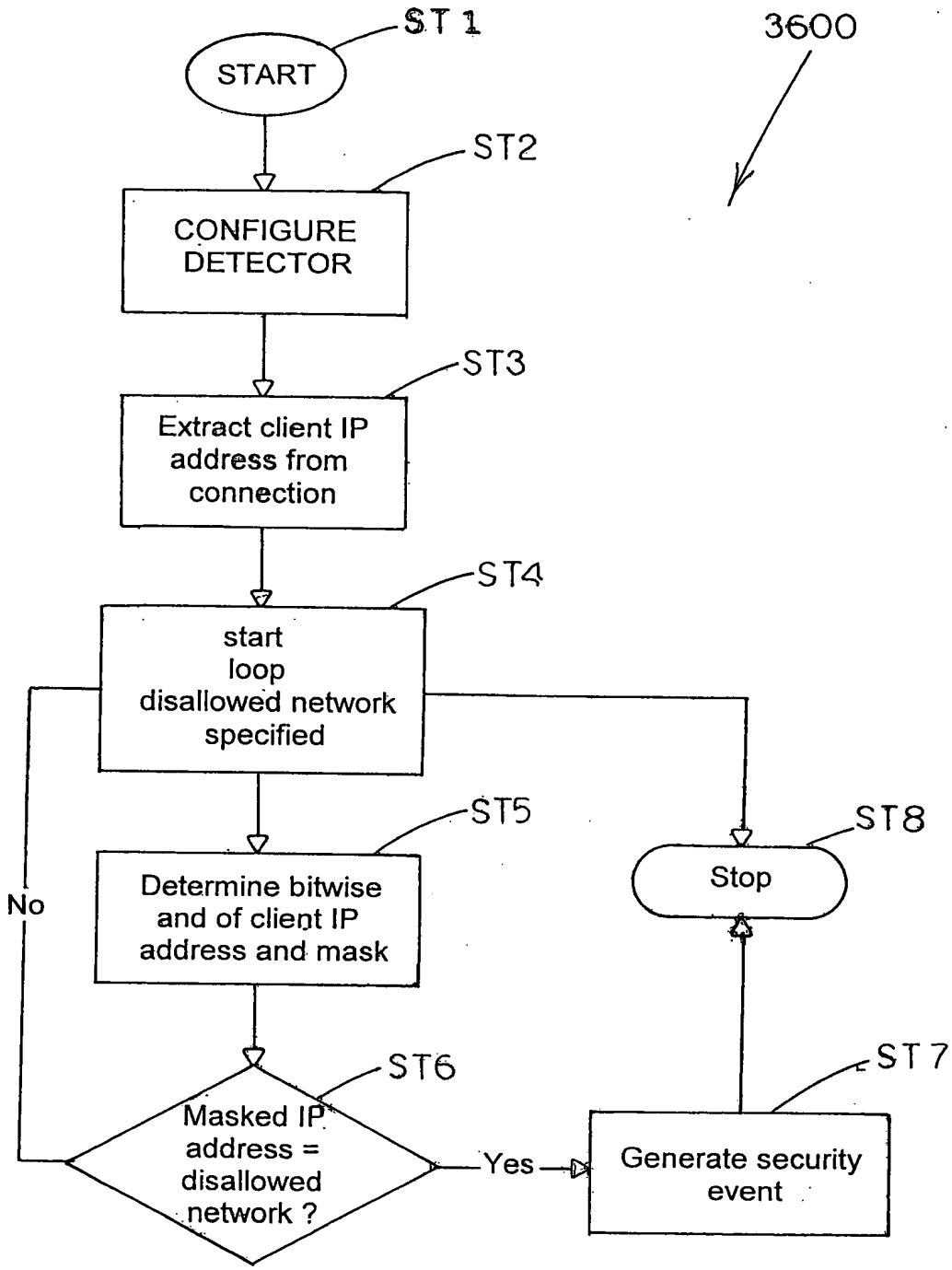

ST 1
START
3600
ST2
CONFIGURE DETECTOR
ST3
Extract client IP address from connection
ST4
start loop disallowed network specified
ST5
Determine bitwise and of client IP address and mask
ST6
Masked IP address = disallowed network ?
No
Yes
ST8
Stop
ST 7
Generate security event

Fig. 36

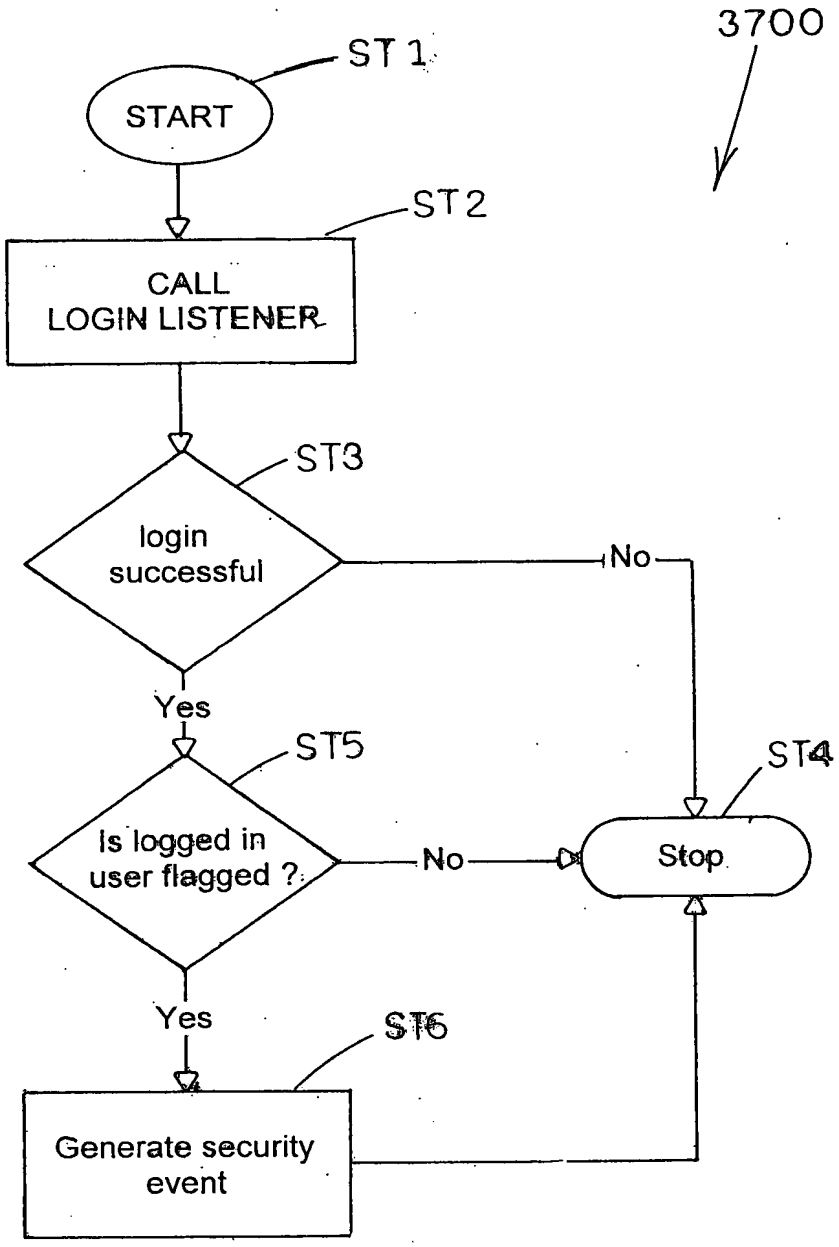

3700
ST 1
START
ST2
CALL
LOGIN LISTENER
ST3
login
successful
No
Yes
ST5
Is logged in
user flagged ?
No
ST4
Stop
Yes
ST6
Generate security
event

Fig. 37

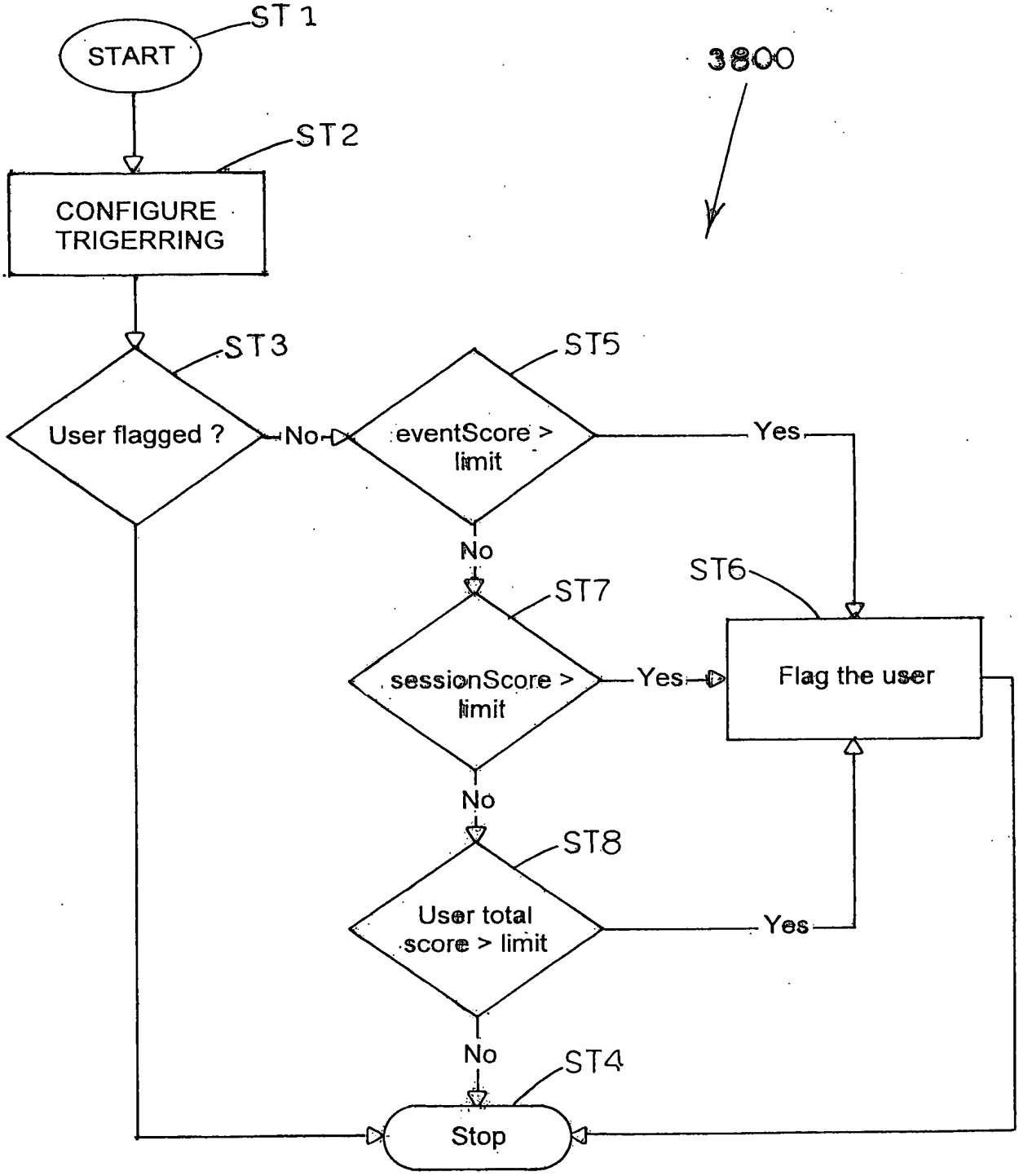

ST 1
START
3800
ST2
CONFIGURE TRIGERRING
ST3
User flagged ?
No
ST5
eventScore > limit
Yes
No
ST6
ST7
sessionScore > limit
Yes
Flag the user
No
ST8
User total score > limit
Yes
No
ST4
Stop

Fig. 38

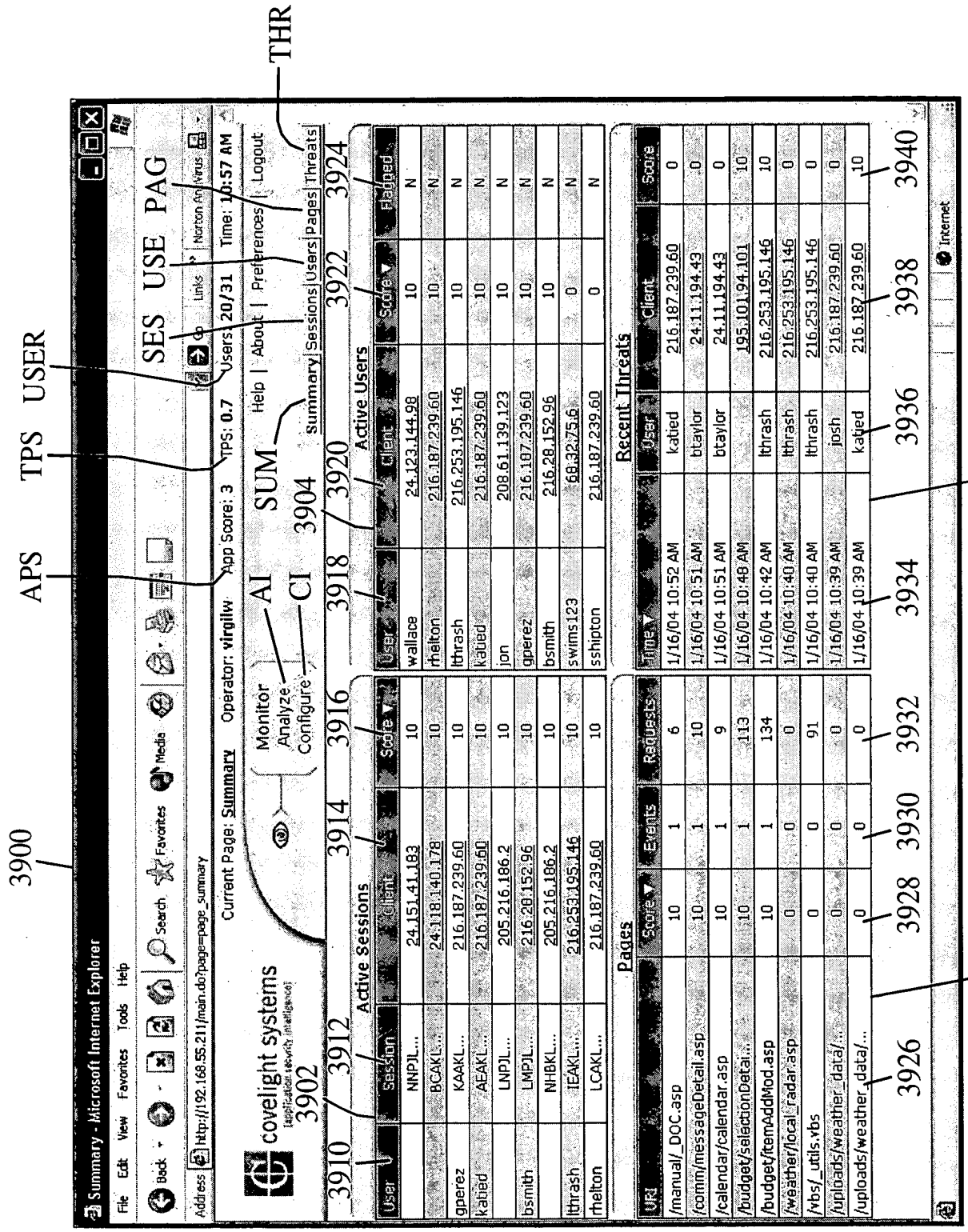

3900
APS
TPS
USER
THR
SES USE PAG
Summary - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://192.168.55.211/main.do?page=page_summary
Links Norton Antivirus
Current Page: Summary Operator: virgilw App Score: 3 TPS: 0.7 Users: 20/31 Time: 10:57 AM
covelight systems
3902
Monitor
Analyze
Configure
AI
CI
SUM
3904
Help | About | Preferences | Logout
Summary | Sessions | Users | Pages | Threats
3910 3912 3914 3916 3918 3920 3922 3924
Active Sessions
Active Users
User Session Client Score
NNPJL... 24.151.41.183 10
BCAKL... 24.118.140.178 10
KAAKL... 216.187.239.60 10
AEAKL... 216.187.239.60 10
LNPJL... 205.216.186.2 10
LMPJL... 216.28.152.96 10
NHBKL... 205.216.186.2 10
IEAKL... 216.253.195.146 10
LCAKL... 216.187.239.60 10
User Client Score Flagged
wallace 24.123.144.98 10 N
rhelton 216.187.239.60 10 N
tthrash 216.253.195.146 10 N
katied 216.187.239.60 10 N
jon 208.61.139.123 10 N
gperez 216.187.239.60 10 N
bsmith 216.28.152.96 10 N
swims123 68.32.75.6 0 N
sshipton 216.187.239.60 0 N
Pages
Recent Threats
URI Score Events Requests
/manual/_DOC.asp 10 1 6
/comm/messageDetail.asp... 10 1 10
/calendar/calendar.asp 10 1 9
/budget/selectionDetai... 10 1 113
/budget/itemAddMod.asp 10 1 134
/weather/local_radar.asp 0 0 0
/vbs/_utils.vbs 0 0 91
/uploads/weather_data/... 0 0 0
/uploads/weather_data/... 0 0 0
Time User Client Score
1/16/04 10:52 AM katied 216.187.239.60 0
1/16/04 10:51 AM btaylor 24.11.194.43 0
1/16/04 10:51 AM btaylor 24.11.194.43 0
1/16/04 10:48 AM 195.101.94.101 10
1/16/04 10:42 AM tthrash 216.253.195.146 10
1/16/04 10:40 AM tthrash 216.253.195.146 0
1/16/04 10:40 AM tthrash 216.253.195.146 0
1/16/04 10:39 AM josh 216.187.239.60 0
1/16/04 10:39 AM katied 216.187.239.60 10
Internet
3926 3928 3930 3932 3934 3936 3938 3940
3906 3908

FIG. 39

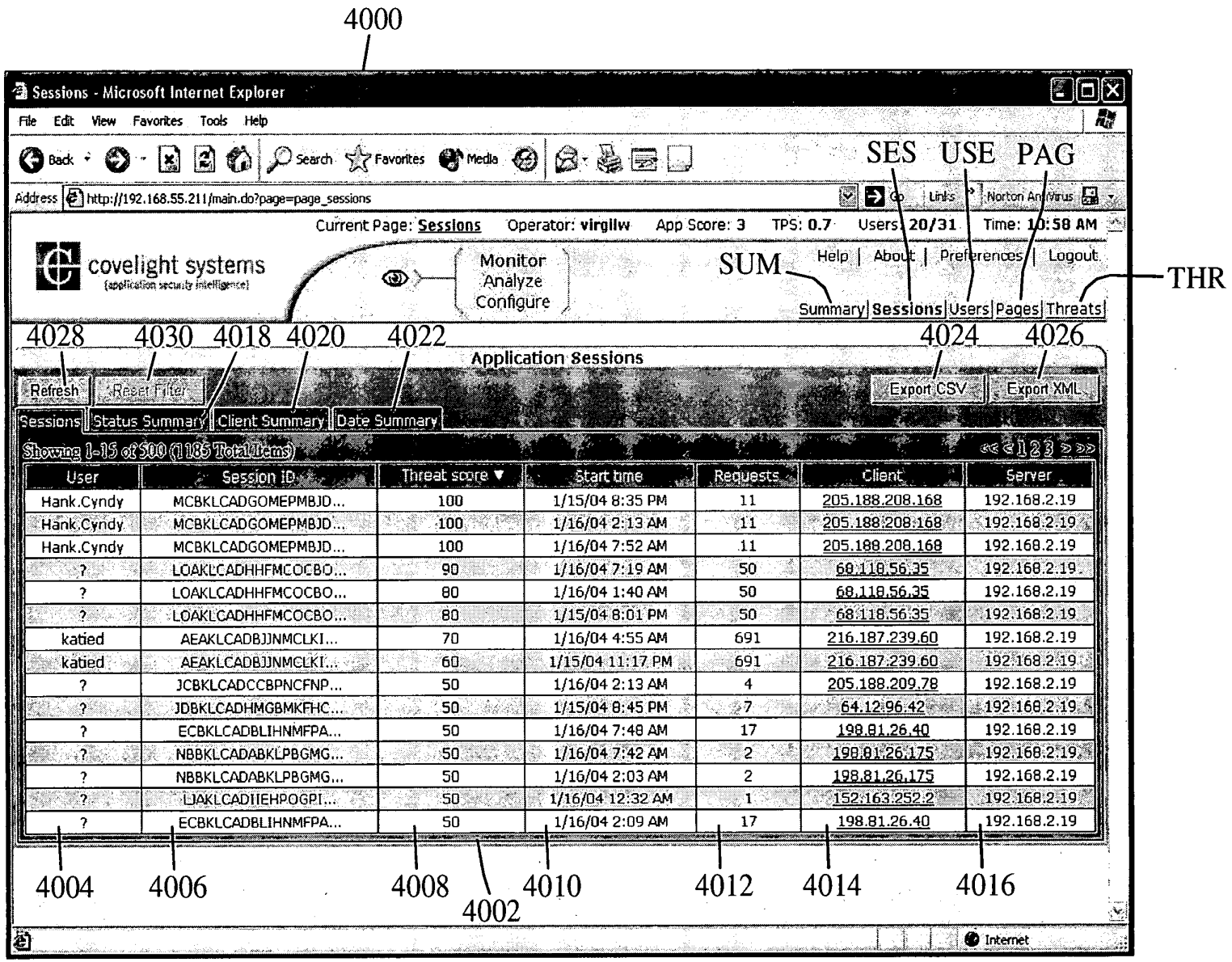


FIG. 40A

REPLACEMENT SHEET
Title: METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR MONITORING PROTOCOL RESPONSES FOR A SERVER APPLICATION
Applicant(s): Motsinger et al.
Atty. Docket No.: 1503/9

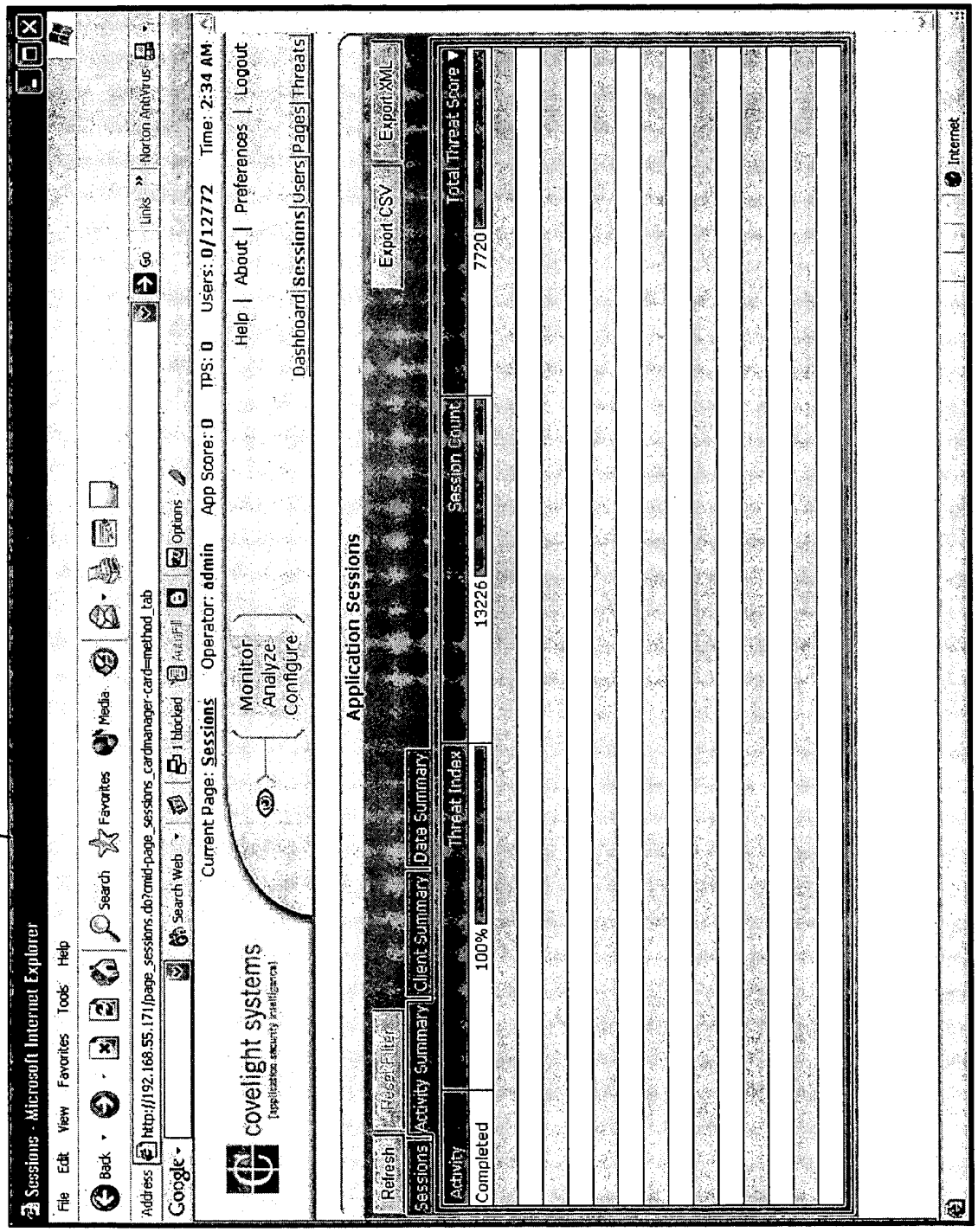

4032
Sessions - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://192.168.55.171/page_sessions.do?cmid=page_sessions_cardmanager-card=method_tab
Google Search Web 1 blocked AutoFill Options
Current Page: Sessions Operator: admin App Score: 0 TPS: 0 Users: 0/12772 Time: 2:34 AM
covelight systems
Monitor
Analyze
Configure
Help | About | Preferences | Logout
Dashboard Sessions Users Pages Threats
Application Sessions
Refresh Reset Filter
Export CSV Export XML
Sessions Activity Summary Client Summary Date Summary Threat Index
Activity
Completed
100%
13226
Session Count
7720
Total Threat Score
Internet

FIG. 40B

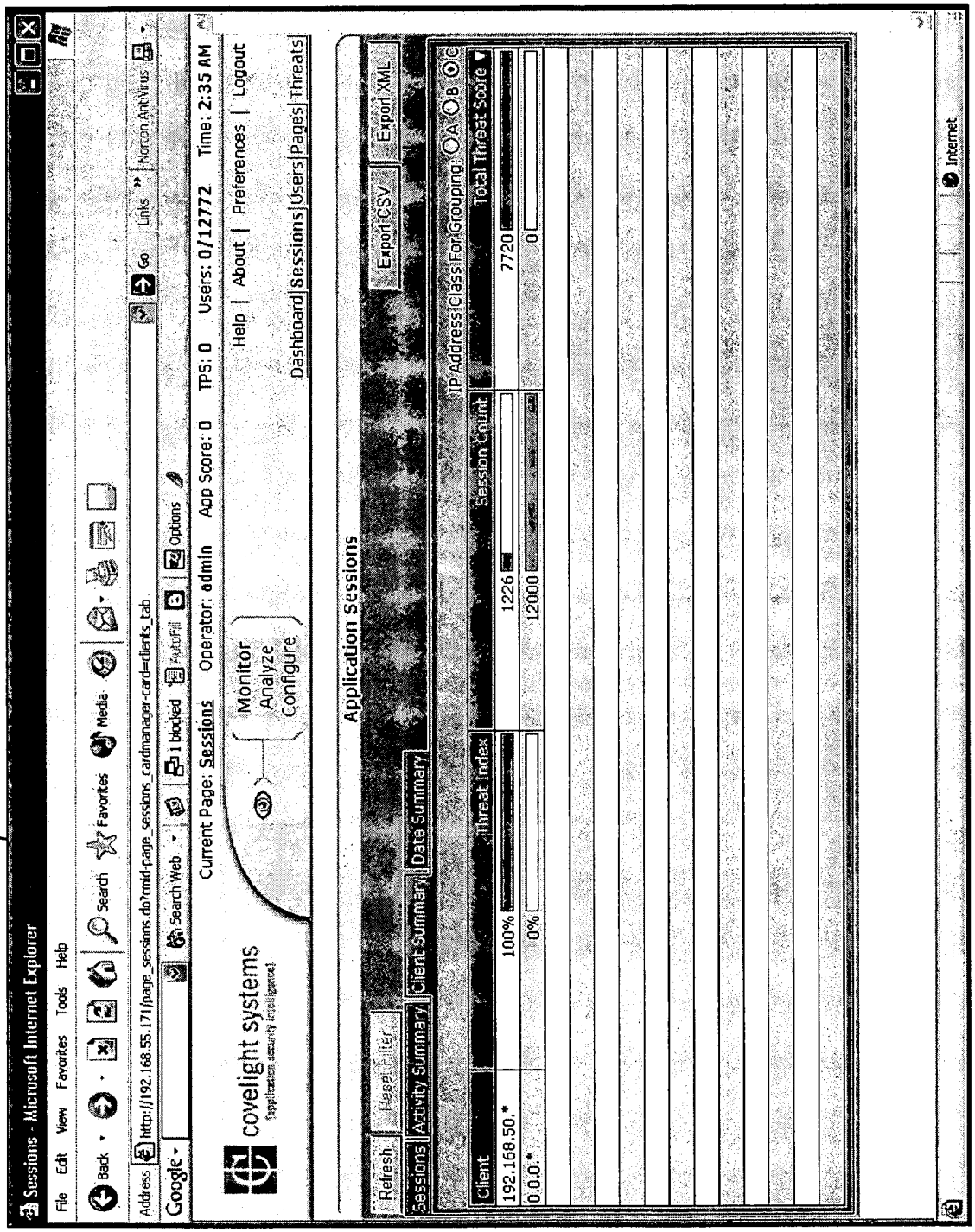

4034
Sessions - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://192.168.55.171/page_sessions.do?cmid-page_sessions_cardmanager-card=clients_tab
Google
Search Web 1 blocked AutoFill Options
Links Norton AntiVirus
Current Page: Sessions Operator: admin App Score: 0 TPS: 0 Users: 0/12772 Time: 2:35 AM
covelight systems
Monitor
Analyze
Configure
Help | About | Preferences | Logout
Dashboard Sessions Users Pages Threats
Application Sessions
Refresh Reset Filter
Export CSV Export XML
Sessions Activity Summary Client Summary Data Summary
IP Address Class For Grouping: A B C
Client Threat Index Session Count Total Threat Score
192.168.50.* 100% 1226 7720
0.0.0.* 0% 12000 0
Internet

FIG. 40C

4036

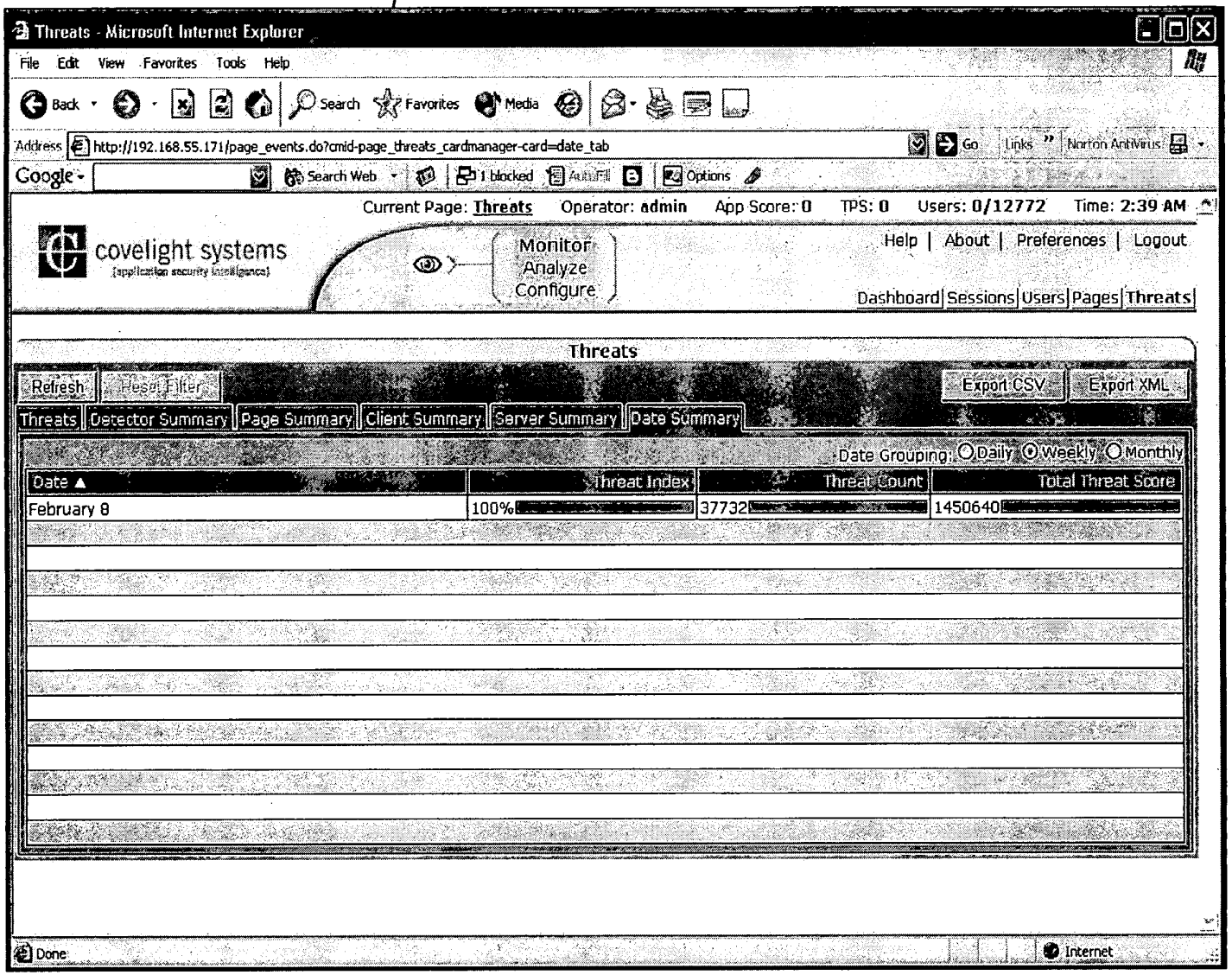


FIG. 40D

REPLACEMENT SHEET
Title: METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR MONITORING PROTOCOL RESPONSES FOR A SERVER APPLICATION
Applicant(s): Motsinger et al.
Atty. Docket No.: 1503/9

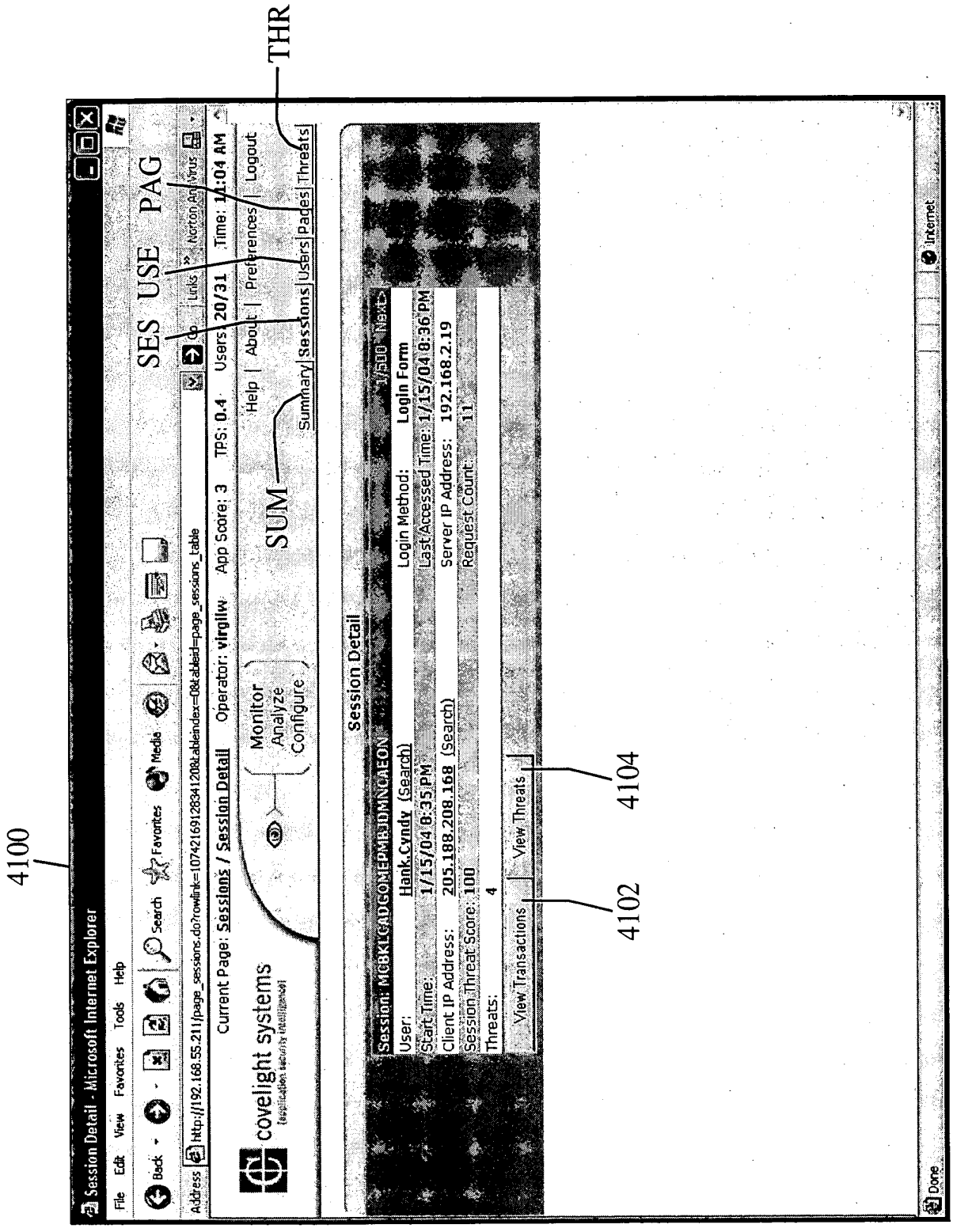

4100
THR
SES USE PAG
SUM
4102
4104
Session Detail - Microsoft Internet Explorer
covelight systems
Monitor
Analyze
Configure
Summary | Sessions | Users | Pages | Threats
Session Detail
View Transactions
View Threats

FIG. 41

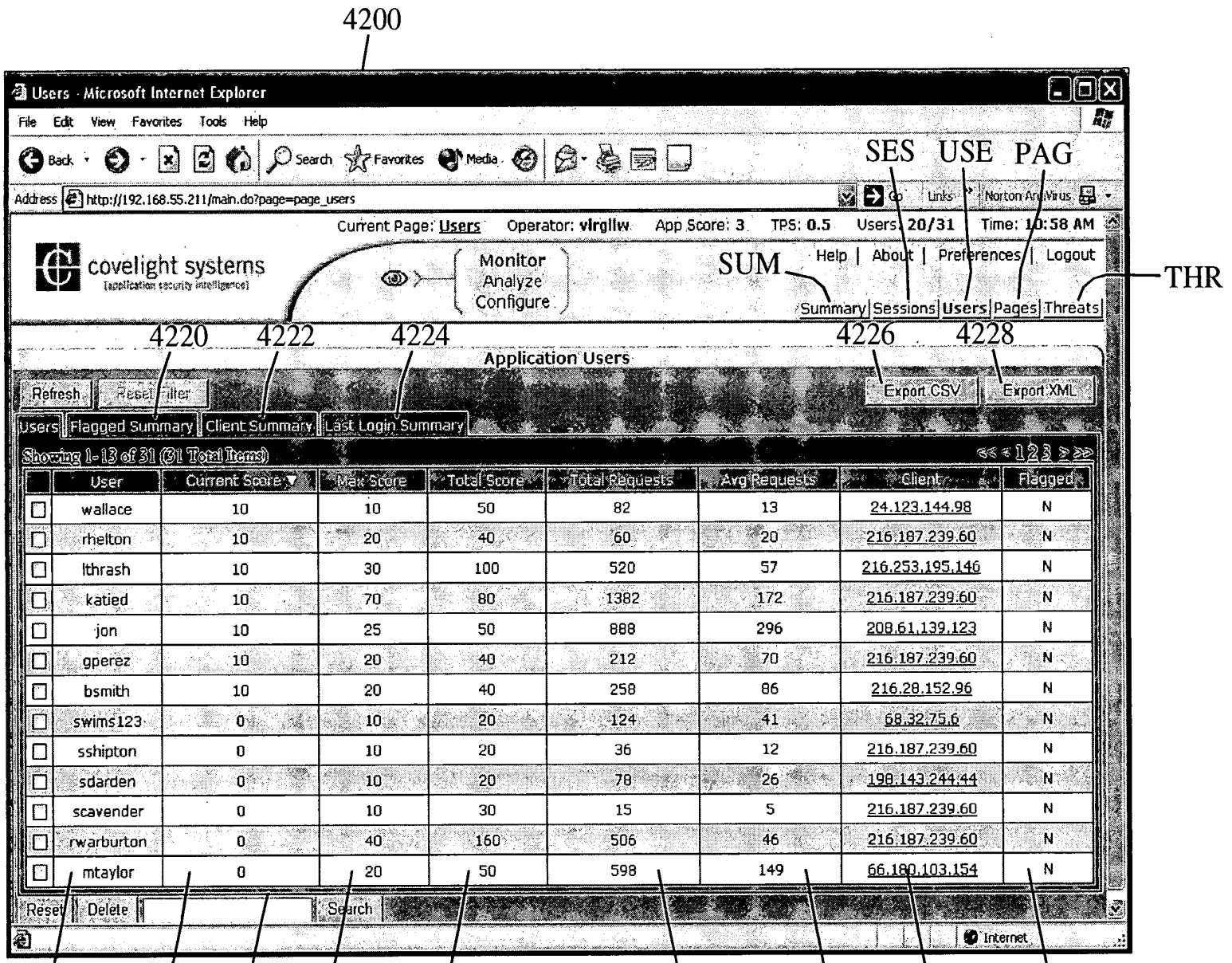


FIG. 42

REPLACEMENT SHEET
Title: METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR MONITORING PROTOCOL RESPONSES FOR A SERVER APPLICATION
Applicant(s): Motsinger et al.
Atty. Docket No.: 1503/9

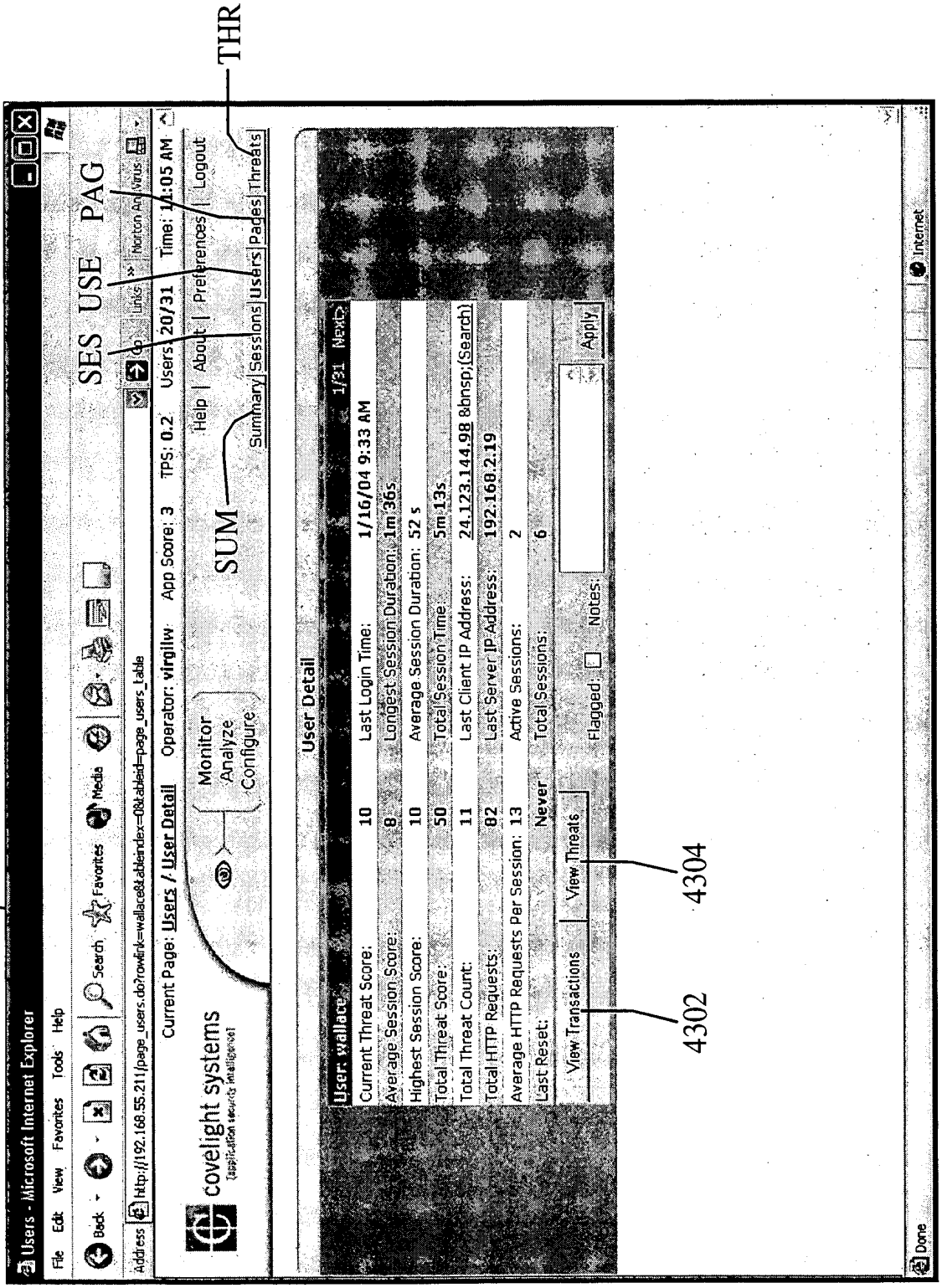

4300
THR
SUM
4302
4304
Users - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://192.168.55.211/page_users.do?rowlink=wallace&tableindex=0&tableid=page_users_table
Links Norton Antivirus
SES USE PAG
Current Page: Users / User Detail
Operator: virgiliw
App Score: 3
TPS: 0.2
Users: 20/31
Time: 14:05 AM
covelight systems
Monitor
Analyze
Configure
Help | About | Preferences | Logout
Summary Sessions Users Pages Threats
User Detail
User: wallace
1/31 Next>
Current Threat Score: 10
Last Login Time: 1/16/04 9:33 AM
Average Session Score: 8
Longest Session Duration: 1m 36s
Highest Session Score: 10
Average Session Duration: 52 s
Total Threat Score: 50
Total Session Time: 5m 13s
Total Threat Count: 11
Last Client IP Address: 24.123.144.98 &bnsp;(Search)
Total HTTP Requests: 82
Last Server IP Address: 192.168.2.19
Average HTTP Requests Per Session: 13
Active Sessions: 2
Last Reset: Never
Total Sessions: 6
View Transactions
View Threats
Flagged:
Notes:
Apply
Done
Internet

FIG. 43

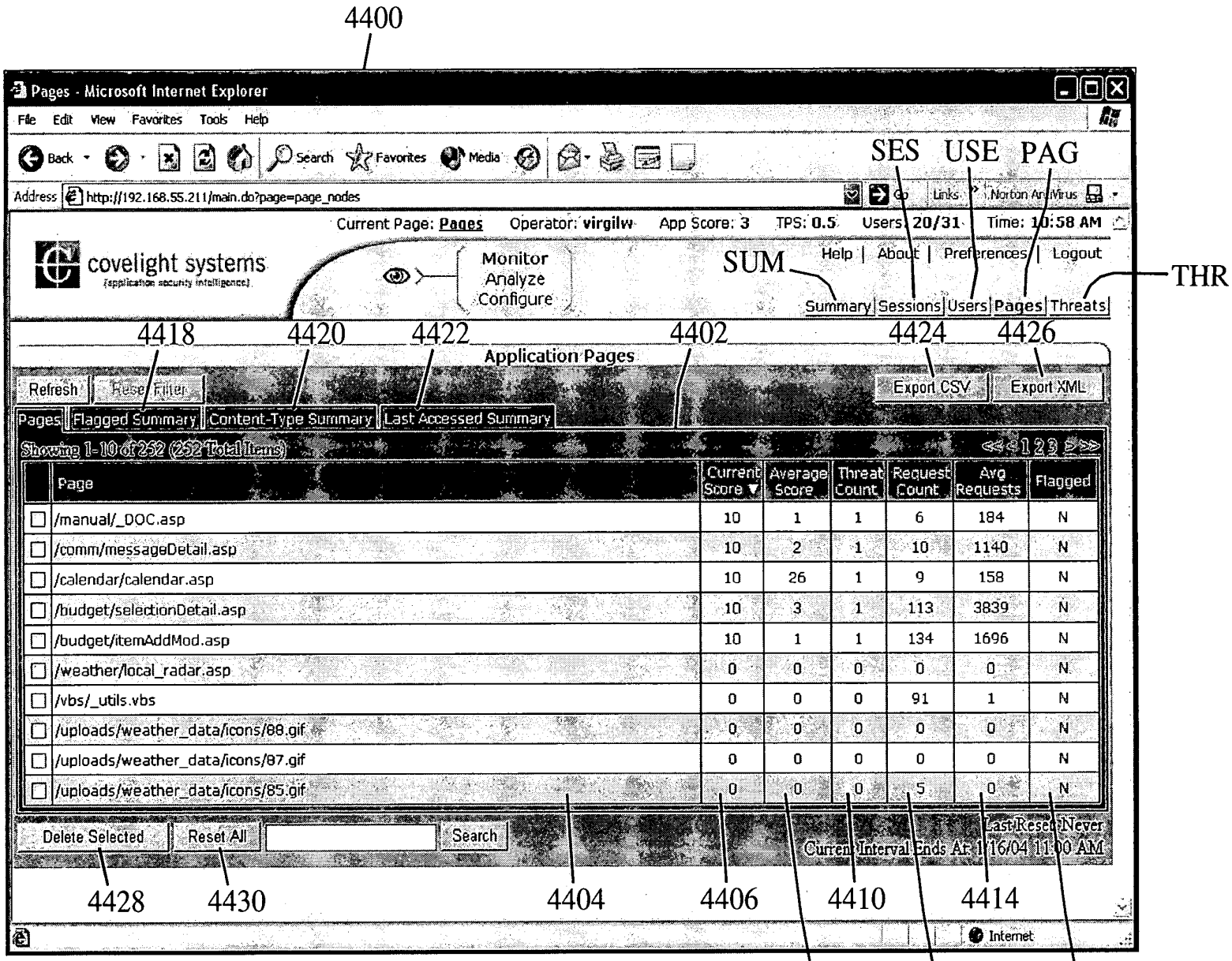


FIG. 44

REPLACEMENT SHEET
Title: METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR MONITORING PROTOCOL RESPONSES FOR A SERVER APPLICATION
Applicant(s): Motsinger et al.
Atty. Docket No.: 1503/9

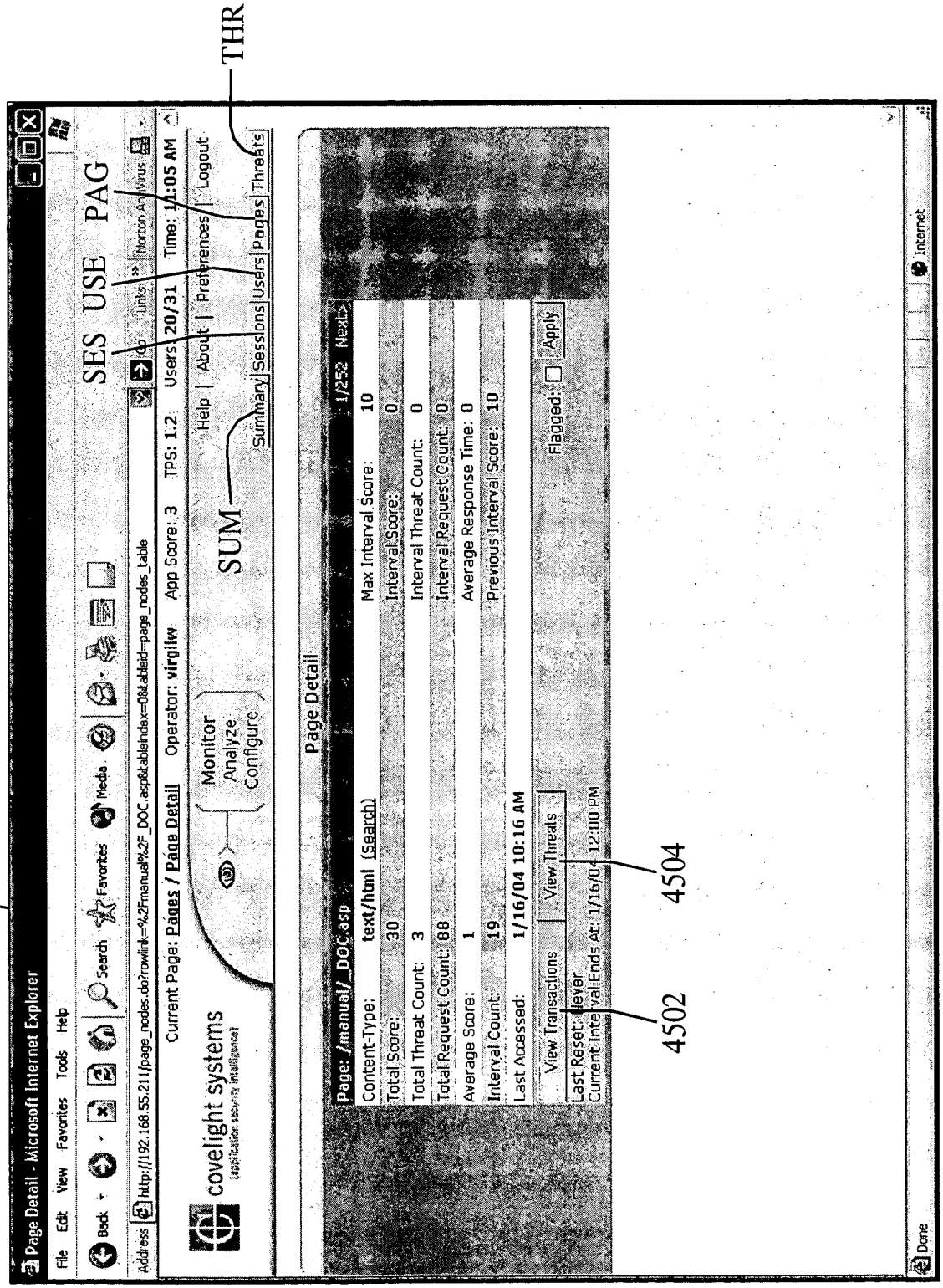

4500
THR
SUM
4502
4504
Page Detail - Microsoft Internet Explorer
covelight systems
Monitor
Analyze
Configure
Summary
Sessions
Users
Pages
Threats
Page Detail
Page: /manual/_DOC.asp
Content-Type: text/html (Search)
Total Score: 30
Total Threat Count: 3
Total Request Count: 88
Average Score: 1
Interval Count: 19
Last Accessed: 1/16/04 10:16 AM
Max Interval Score: 10
Interval Score: 0
Interval Threat Count: 0
Interval Request Count: 0
Average Response Time: 0
Previous Interval Score: 10
View Transactions
View Threats
Flagged:
Apply
Last Reset: Never
Current Interval Ends At: 1/16/04 12:00 PM

FIG. 45

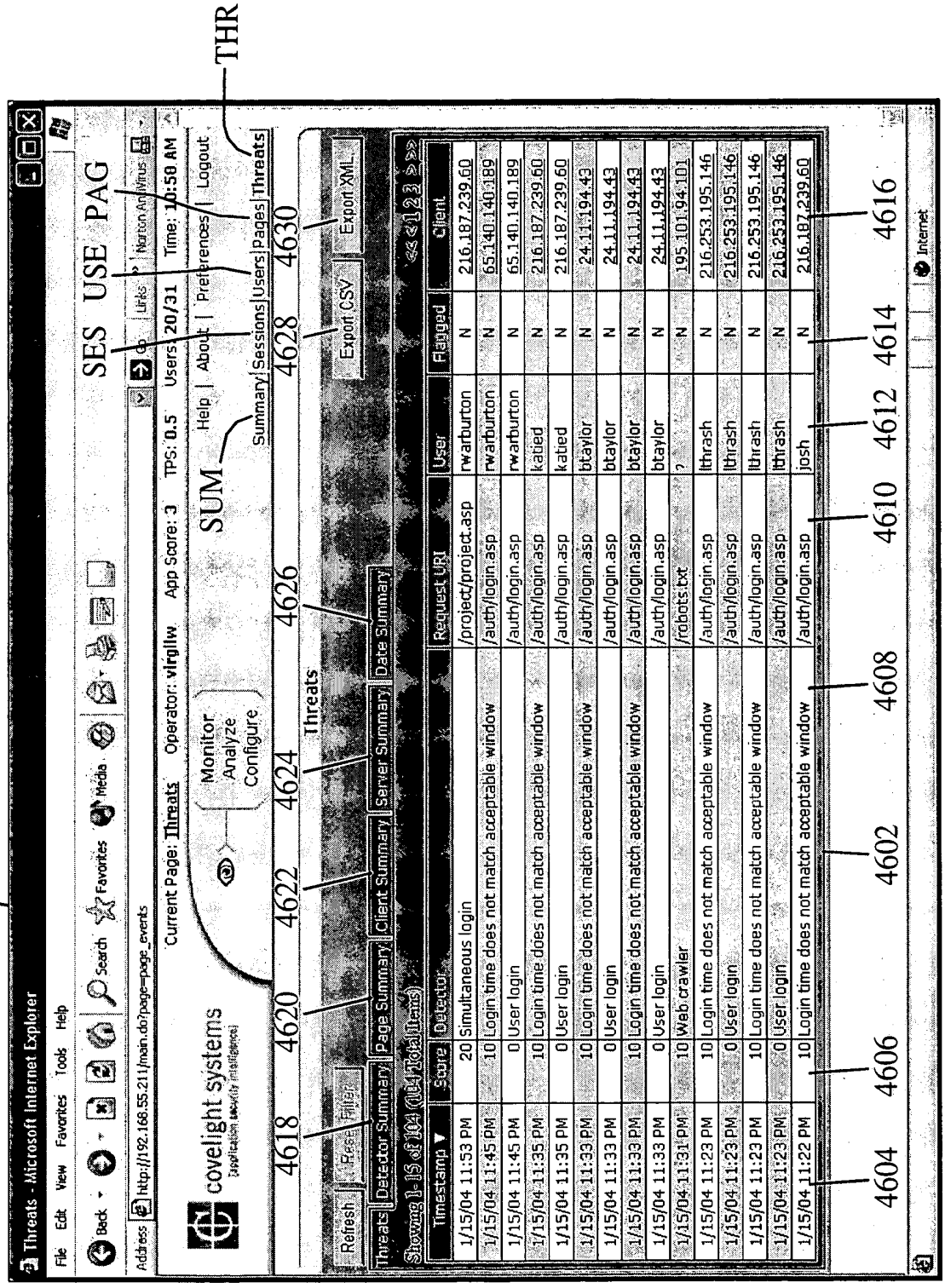

4600
THR
Threats - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://192.168.55.211/main.do?page=page_events
Current Page: Threats Operator: virgilw App Score: 3 TPS: 0.5 Users: 20/31 Time: 10:58 AM
covelight systems
Monitor
Analyze
Configure
SUM
Help | About | Preferences | Logout
Summary | Sessions | Users | Pages | Threats
SES USE PAG
4618 4620 4622 4624 4626 4628 4630
Refresh Reset Filter
Threats | Detector Summary | Page Summary | Client Summary | Server Summary | Date Summary
Export CSV Export XML
Showing 1 - 19 of 104 (104 Total Items)
Timestamp | Score | Detector | Request URI | User | Flagged | Client
1/15/04 11:53 PM | 20 | Simultaneous login | /project/project.asp | rwarburton | N | 216.187.239.60
1/15/04 11:45 PM | 10 | Login time does not match acceptable window | /auth/login.asp | rwarburton | N | 65.140.140.189
1/15/04 11:45 PM | 0 | User login | /auth/login.asp | rwarburton | N | 65.140.140.189
1/15/04 11:35 PM | 10 | Login time does not match acceptable window | /auth/login.asp | katied | N | 216.187.239.60
1/15/04 11:35 PM | 0 | User login | /auth/login.asp | katied | N | 216.187.239.60
1/15/04 11:33 PM | 10 | Login time does not match acceptable window | /auth/login.asp | btaylor | N | 24.11.194.43
1/15/04 11:33 PM | 0 | User login | /auth/login.asp | btaylor | N | 24.11.194.43
1/15/04 11:33 PM | 10 | Login time does not match acceptable window | /auth/login.asp | btaylor | N | 24.11.194.43
1/15/04 11:33 PM | 0 | User login | /auth/login.asp | btaylor | N | 24.11.194.43
1/15/04 11:31 PM | 10 | Web crawler | /robots.txt | ? | N | 195.101.94.101
1/15/04 11:23 PM | 10 | Login time does not match acceptable window | /auth/login.asp | lthrash | N | 216.253.195.146
1/15/04 11:23 PM | 0 | User login | /auth/login.asp | lthrash | N | 216.253.195.146
1/15/04 11:23 PM | 10 | Login time does not match acceptable window | /auth/login.asp | lthrash | N | 216.253.195.146
1/15/04 11:23 PM | 0 | User login | /auth/login.asp | lthrash | N | 216.253.195.146
1/15/04 11:22 PM | 10 | Login time does not match acceptable window | /auth/login.asp | josh | N | 216.187.239.60
4604 4606 4602 4608 4610 4612 4614 4616
Internet

FIG. 46A

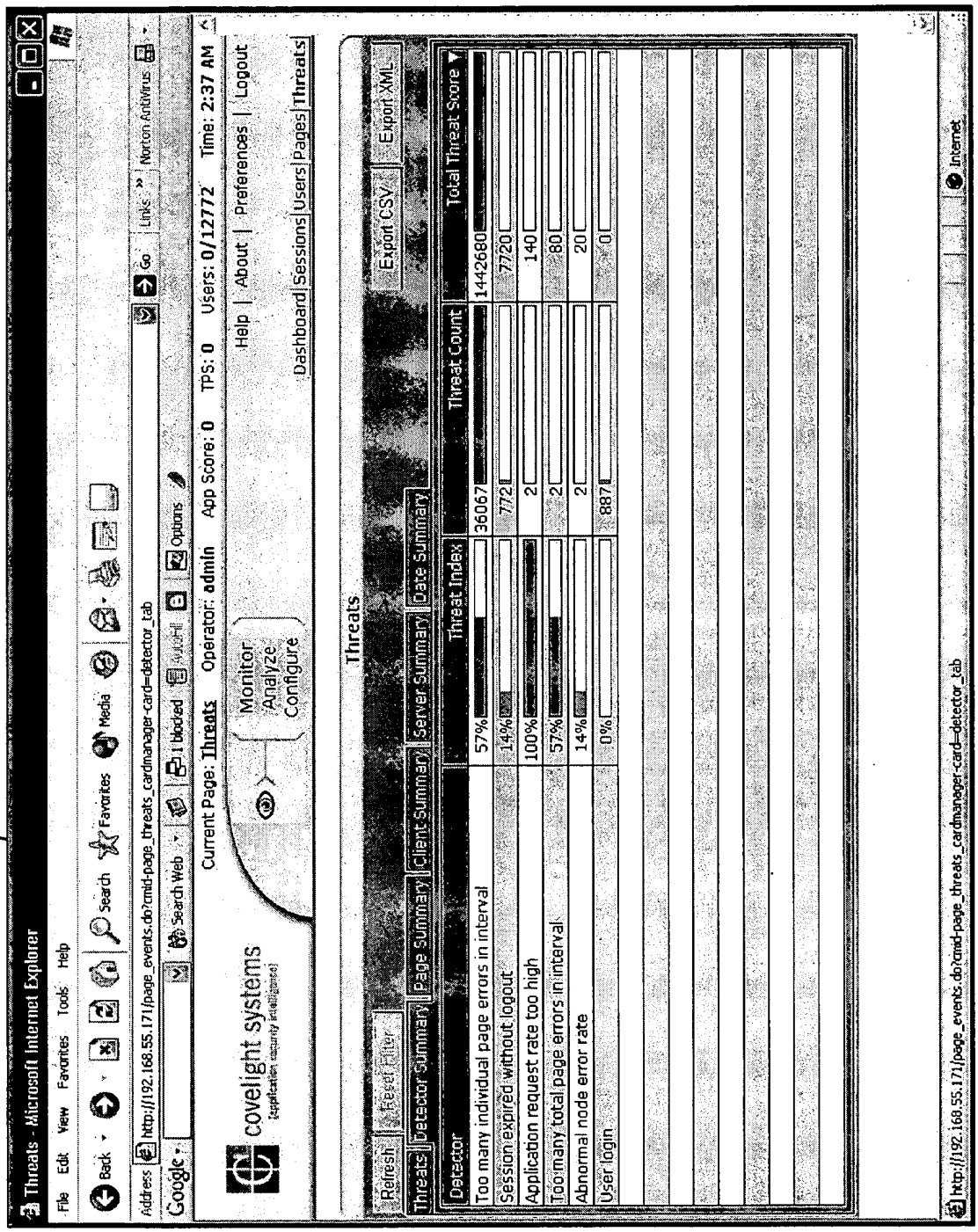

4632
Threats - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://192.168.55.171/page_events.do?cmd=page_threats_cardmanager-card=detector_tab
Google Search Web 1 blocked Options
Norton AntiVirus
Current Page: Threats Operator: admin App Score: 0 TPS: 0 Users: 0/12772 Time: 2:37 AM
covelight systems
Monitor
Analyze
Configure
Help | About | Preferences | Logout
Dashboard Sessions Users Pages Threats
Threats
Refresh Reset Filter
Export CSV Export XML
Threats Detector Summary Page Summary Client Summary Server Summary Date Summary
Detector
Threat Index
Threat Count
Total Threat Score
Too many individual page errors in interval 57% 36067 1442680
Session expired without logout 14% 772 7720
Application request rate too high 100% 2 140
Too many total page errors in interval 57% 2 80
Abnormal node error rate 14% 2 20
User login 0% 887 0
http://192.168.55.171/page_events.do?cmd=page_threats_cardmanager-card=detector_tab
Internet

FIG. 46B

REPLACEMENT SHEET
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Applicant(s): Motsinger et al.
Atty. Docket No.: 1503/9

4634

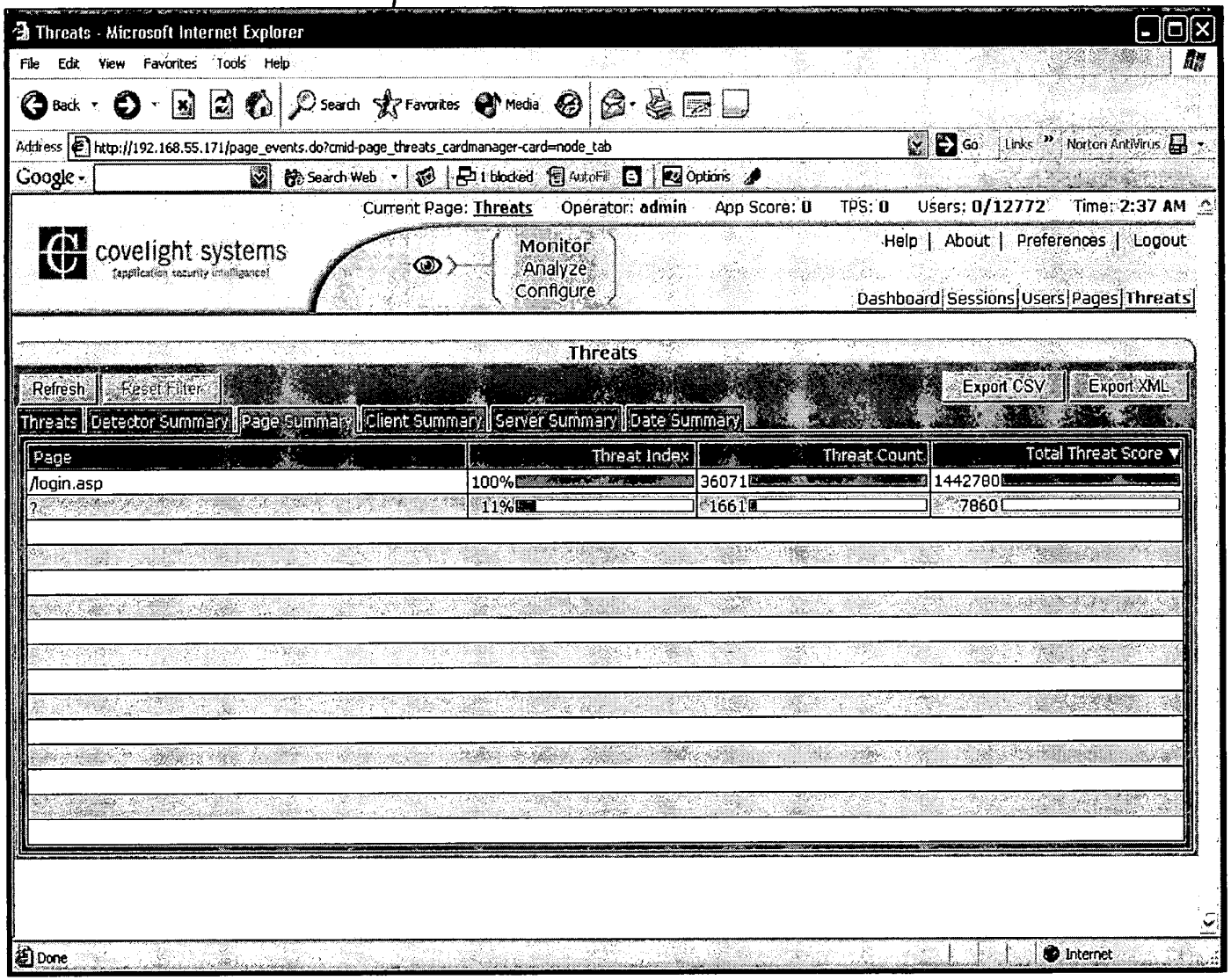

FIG. 46C

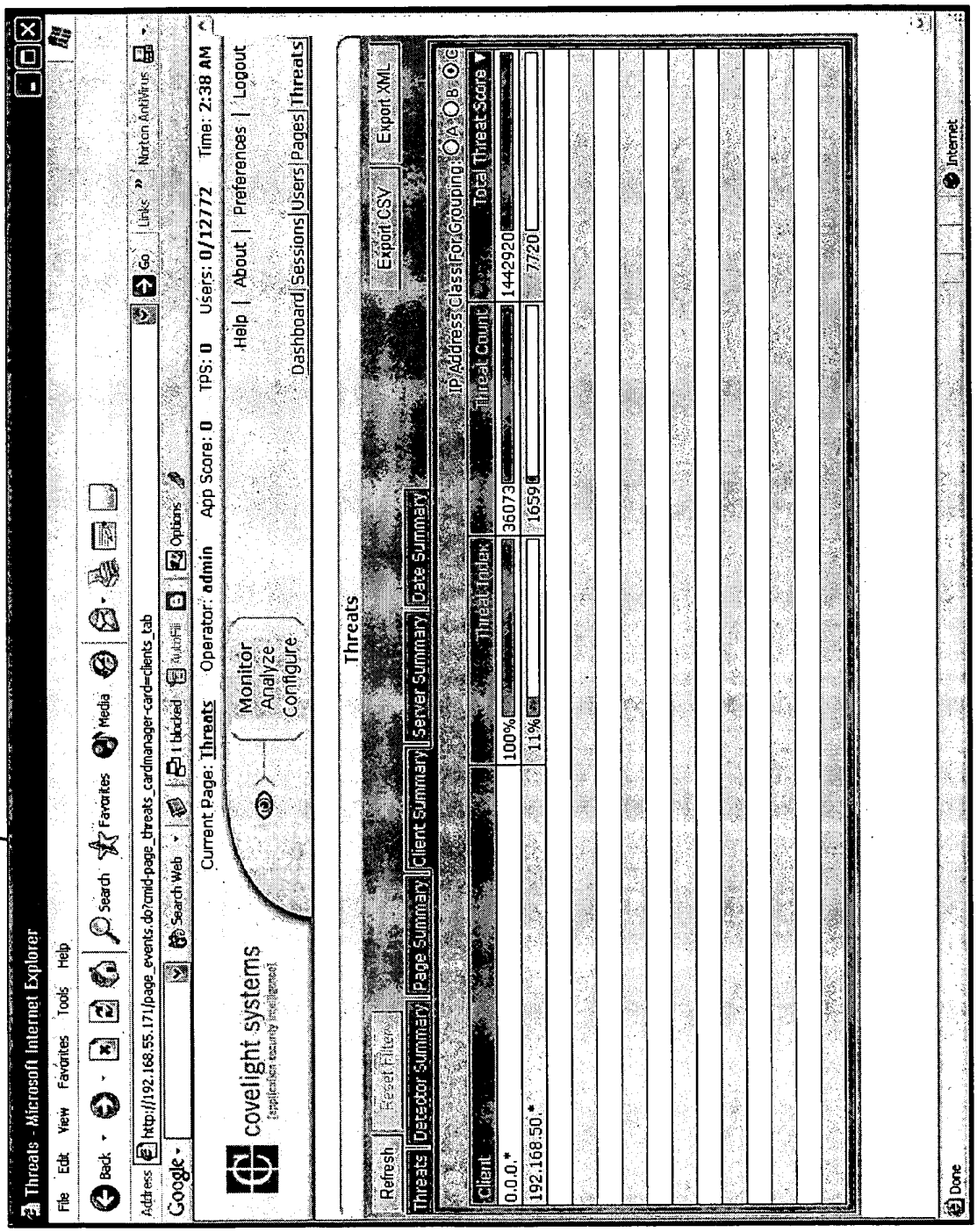
4636
Threats - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address http://192.168.55.171/page_events.do?cmid=page_threats_cardmanager-card=clients_tab
Current Page: Threats Operator: admin App Score: 0 TPS: 0 Users: 0/12772 Time: 2:38 AM
covelight systems
Monitor
Analyze
Configure
Help | About | Preferences | Logout
Dashboard Sessions Users Pages Threats
Threats
Refresh Reset Filters
Export CSV Export XML
Threats Detector Summary Page Summary Client Summary Server Summary Date Summary
IP Address Class For Grouping A B C
Client Threat Index Threat Count Total Threat Score
0.0.0.* 100% 36073 1442920
192.168.50.* 11% 1659 7720
Done Internet

FIG. 46D

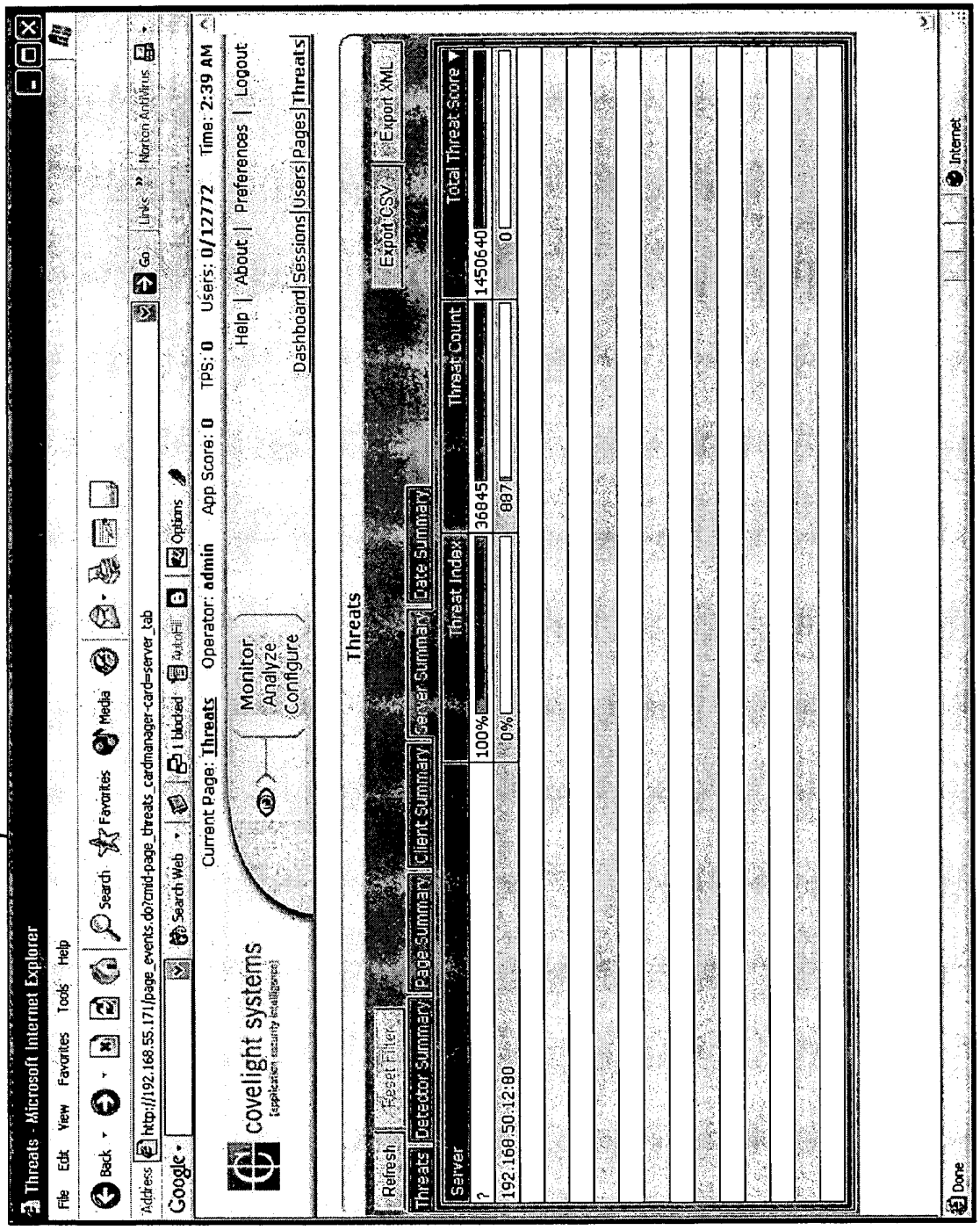
4638
Threats - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://192.168.55.171/page_events.do?cmid=page_threats_cardmanager-card=server_tab
Google
Search Web
Options
Norton AntiVirus
Current Page: Threats Operator: admin App Score: 0 TPS: 0 Users: 0/12772 Time: 2:39 AM
covelight systems
Monitor
Analyze
Configure
Help | About | Preferences | Logout
Dashboard Sessions Users Pages Threats
Threats
Refresh Reset Filter
Export CSV Export XML
Threats Detector Summary Page Summary Client Summary Server Summary Date Summary
Server
Threat Index
Threat Count
Total Threat Score
192.168.50.12:80
100%
36845
1450640
0%
887
0
Done
Internet

FIG. 46E

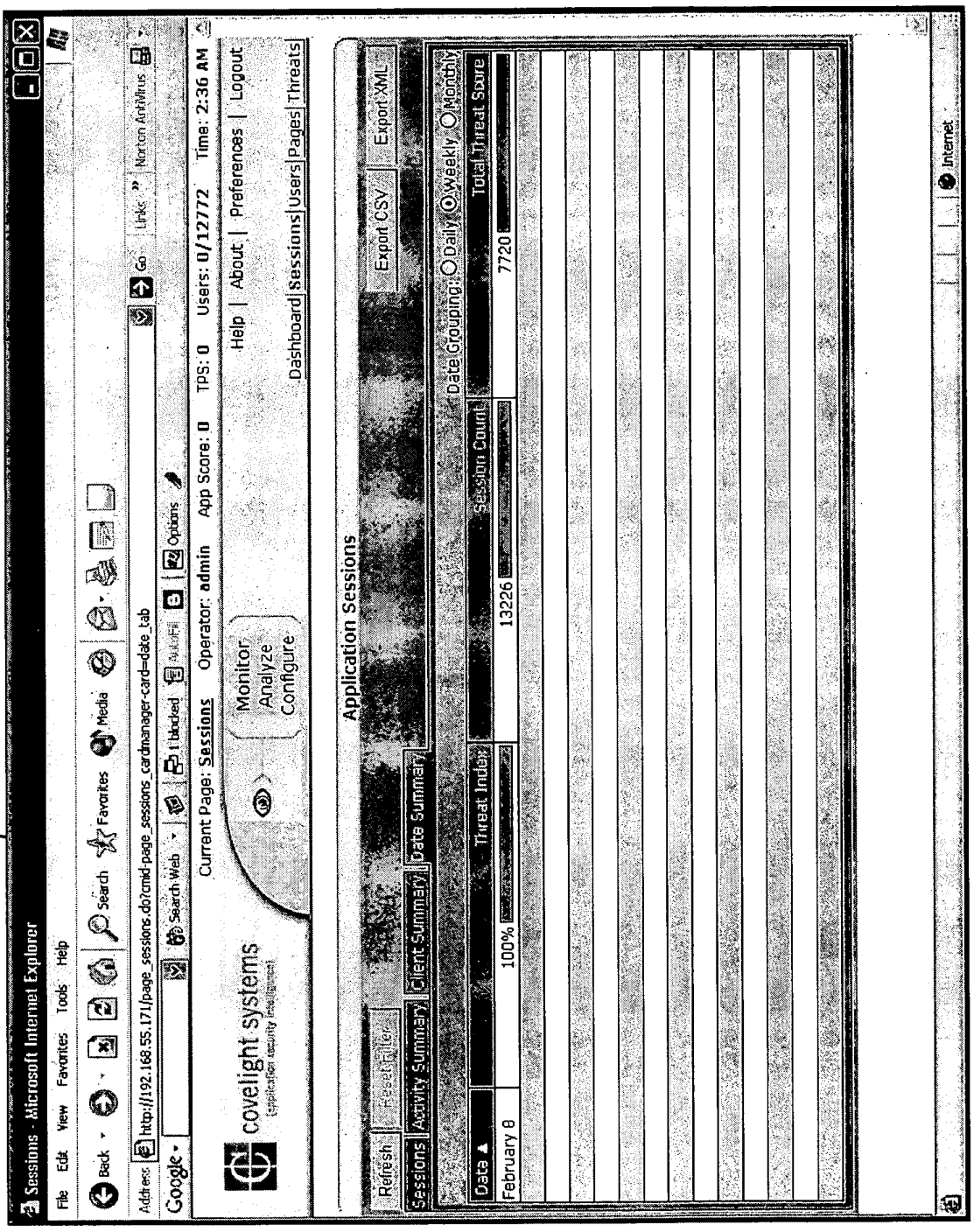
4640
Sessions - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://192.168.55.171/page_sessions.do?cmd-page_sessions_cardmanager-card=date_tab
Google
Search Web
Blocked
Options
Norton AntiVirus
Current Page: Sessions Operator: admin App Score: 0 TPS: 0 Users: 0/12772 Time: 2:36 AM
covelight systems
Monitor
Analyze
Configure
Help | About | Preferences | Logout
Dashboard Sessions Users Pages Threats
Application Sessions
Refresh
Reset Filter
Export CSV
Export XML
Sessions Activity Summary Client Summary Date Summary
Date Grouping: Daily Weekly Monthly
Date
Threat Index
Session Count
Total Threat Score
February 8
100%
13226
7720
Internet

FIG. 46F

REPLACEMENT SHEET
Title: METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR MONITORING PROTOCOL RESPONSES FOR A SERVER APPLICATION
Applicant(s): Motsinger et al.
Atty. Docket No.: 1503/9

4700

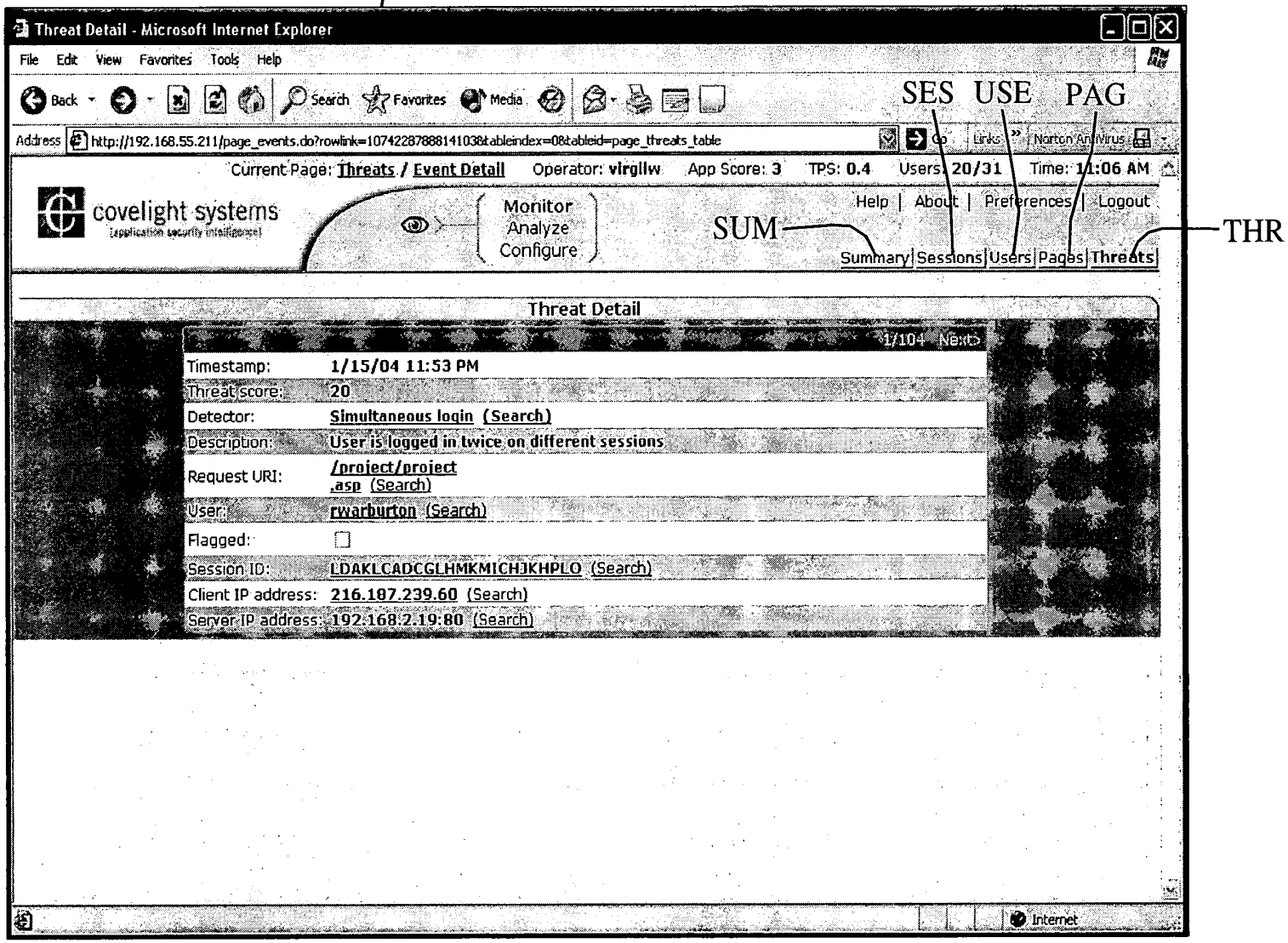

FIG. 47

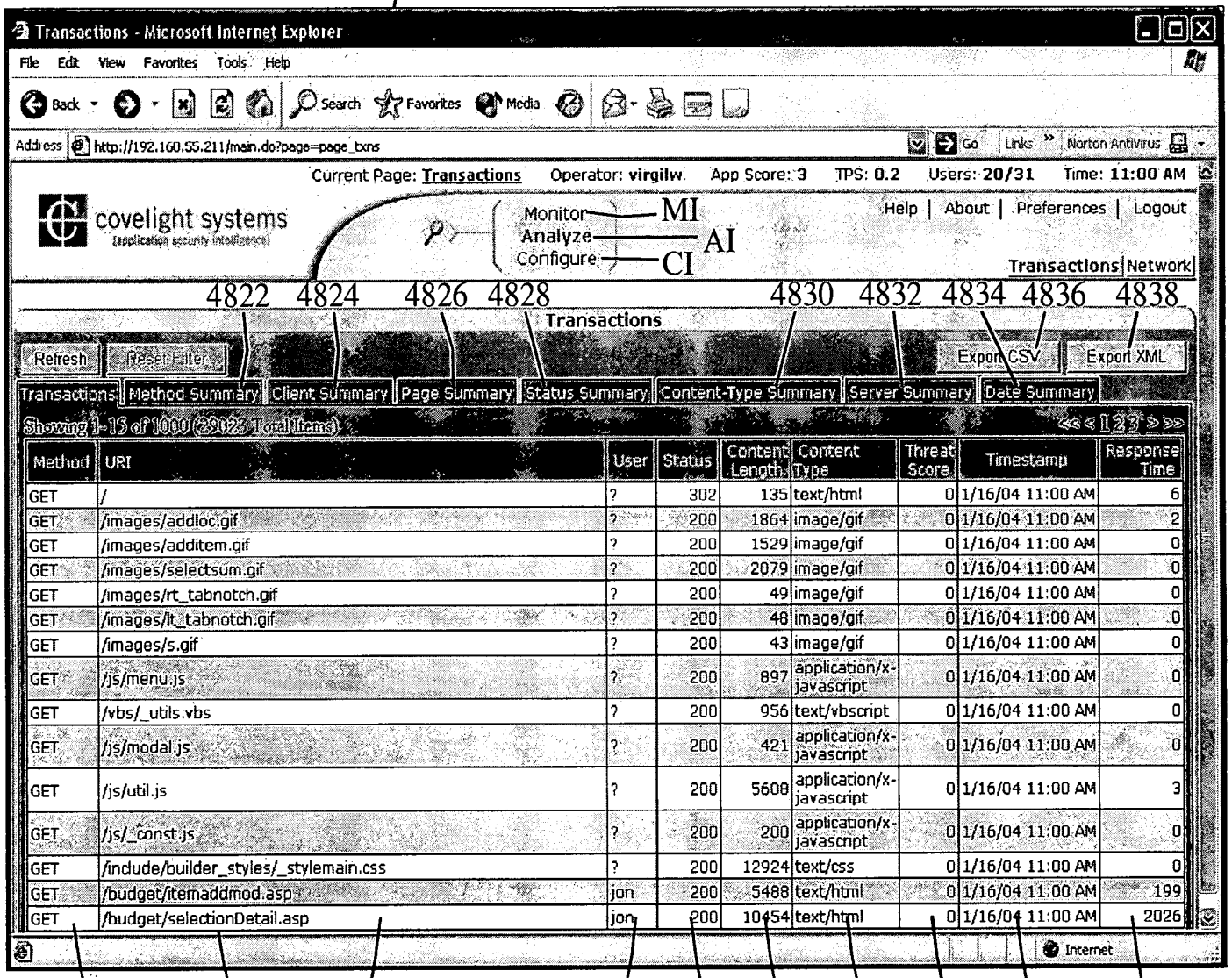
4800
Transactions - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://192.168.55.211/main.do?page=page_txns
Current Page: Transactions Operator: virgilw App Score: 3 TPS: 0.2 Users: 20/31 Time: 11:00 AM
covelight systems
(application security intelligence)
Monitor MI
Analyze AI
Configure CI
Help | About | Preferences | Logout
Transactions | Network
4822 4824 4826 4828 4830 4832 4834 4836 4838
Transactions
Refresh Reset Filter Export CSV Export XML
Transactions | Method Summary | Client Summary | Page Summary | Status Summary | Content-Type Summary | Server Summary | Date Summary
Showing 1-15 of 1000 (28023 Total Items)
« < 1 2 3 > »
Method | URI | User | Status | Content Length | Content Type | Threat Score | Timestamp | Response Time
GET / ? 302 135 text/html 0 1/16/04 11:00 AM 6
GET /images/addloc.gif ? 200 1864 image/gif 0 1/16/04 11:00 AM 2
GET /images/additem.gif ? 200 1529 image/gif 0 1/16/04 11:00 AM 0
GET /images/selectsum.gif ? 200 2079 image/gif 0 1/16/04 11:00 AM 0
GET /images/rt_tabnotch.gif ? 200 49 image/gif 0 1/16/04 11:00 AM 0
GET /images/lt_tabnotch.gif ? 200 48 image/gif 0 1/16/04 11:00 AM 0
GET /images/s.gif ? 200 43 image/gif 0 1/16/04 11:00 AM 0
GET /js/menu.js ? 200 897 application/x-javascript 0 1/16/04 11:00 AM 0
GET /vbs/_utils.vbs ? 200 956 text/vbscript 0 1/16/04 11:00 AM 0
GET /js/modal.js ? 200 421 application/x-javascript 0 1/16/04 11:00 AM 0
GET /js/util.js ? 200 5608 application/x-javascript 0 1/16/04 11:00 AM 3
GET /js/_const.js ? 200 200 application/x-javascript 0 1/16/04 11:00 AM 0
GET /include/builder_styles/_stylemain.css ? 200 12924 text/css 0 1/16/04 11:00 AM 0
GET /budget/itemaddmod.asp jon 200 5488 text/html 0 1/16/04 11:00 AM 199
GET /budget/selectionDetail.asp jon 200 10454 text/html 0 1/16/04 11:00 AM 2026
Internet
4804 4802 4806 4808 4810 4812 4814 4816 4818 4820

FIG. 48

4900

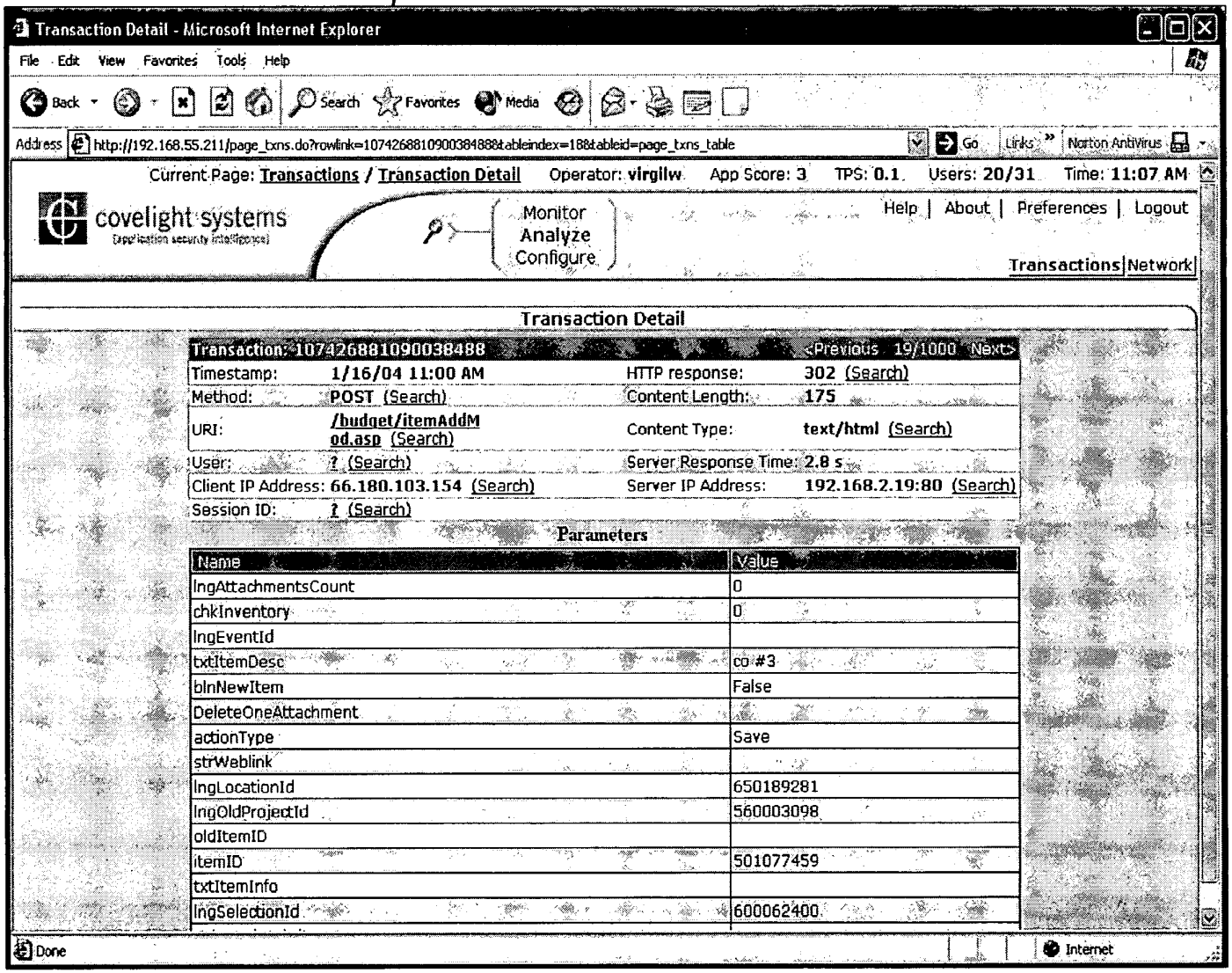

FIG. 49

REPLACEMENT SHEET
Title: METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR MONITORING PROTOCOL RESPONSES FOR A SERVER APPLICATION
Applicant(s): Motsinger et al.
Atty. Docket No.: 1503/9

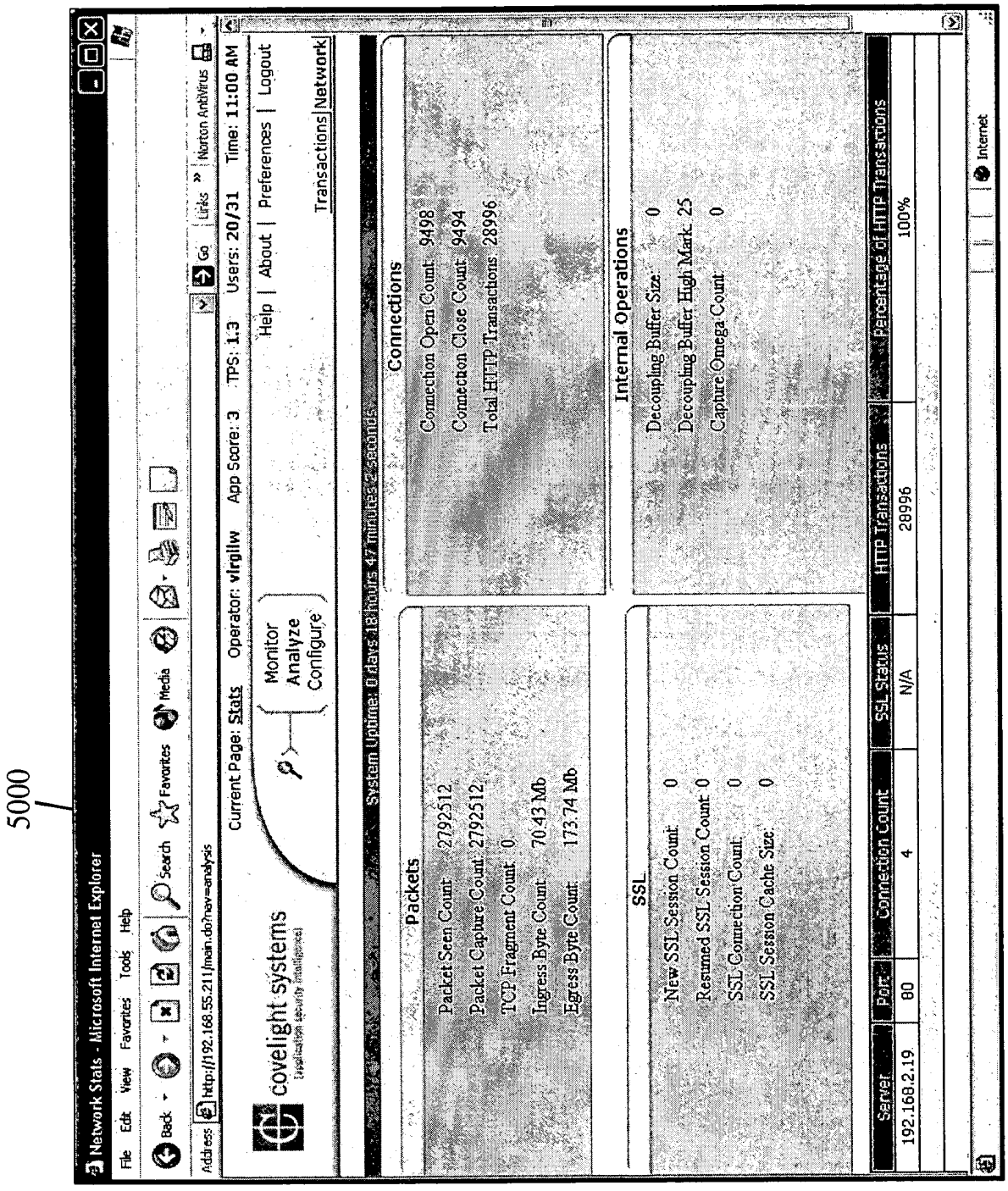
5000
Network Stats - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://192.168.55.211/main.do?nav=analysis
Links Norton AntiVirus
Current Page: Stats Operator: virgilw App Score: 3 TPS: 1.3 Users: 20/31 Time: 11:00 AM
Help | About | Preferences | Logout
covelight systems
Application Security Intelligence
Monitor
Analyze
Configure
Transactions Network
System Uptime: 0 days 18 hours 47 minutes 2 seconds
Packets
Packet Seen Count 2792512
Packet Capture Count 2792512
TCP Fragment Count 0
Ingress Byte Count 70.43 Mb
Egress Byte Count 173.74 Mb
Connections
Connection Open Count 9498
Connection Close Count 9494
Total HTTP Transactions 28996
SSL
New SSL Session Count 0
Resumed SSL Session Count 0
SSL Connection Count 0
SSL Session Cache Size 0
Internal Operations
Decoupling Buffer Size 0
Decoupling Buffer High Mark 25
Capture Omega Count 0
Server
Port
Connection Count
SSL Status
HTTP Transactions
Percentage of HTTP Transactions
192.168.2.19
80
4
N/A
28996
100%
Internet

FIG. 50

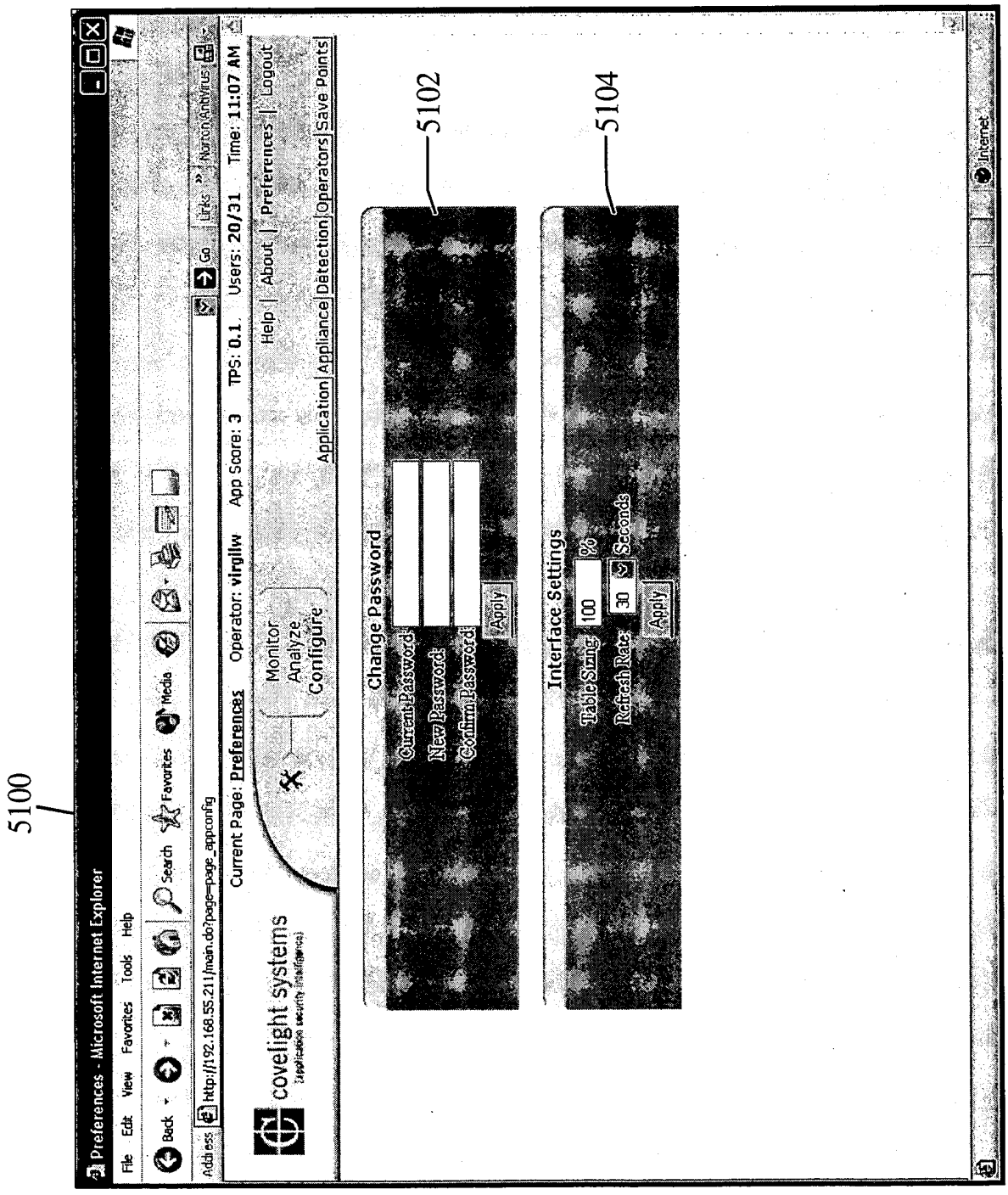
5100
Preferences - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://192.168.55.211/main.do?page=page_appconfig
Go Links Norton AntiVirus
Current Page: Preferences Operator: virgilw App Score: 3 TPS: 0.1 Users: 20/31 Time: 11:07 AM
covelight systems
Monitor
Analyze
Configure
Help About Preferences Logout
Application Appliance Detection Operators Save Points
Change Password
Current Password:
New Password:
Confirm Password:
Apply
5102
Interface Settings
Table Size: 100 %
Refresh Rate: 30 Seconds
Apply
5104
Internet

FIG. 51

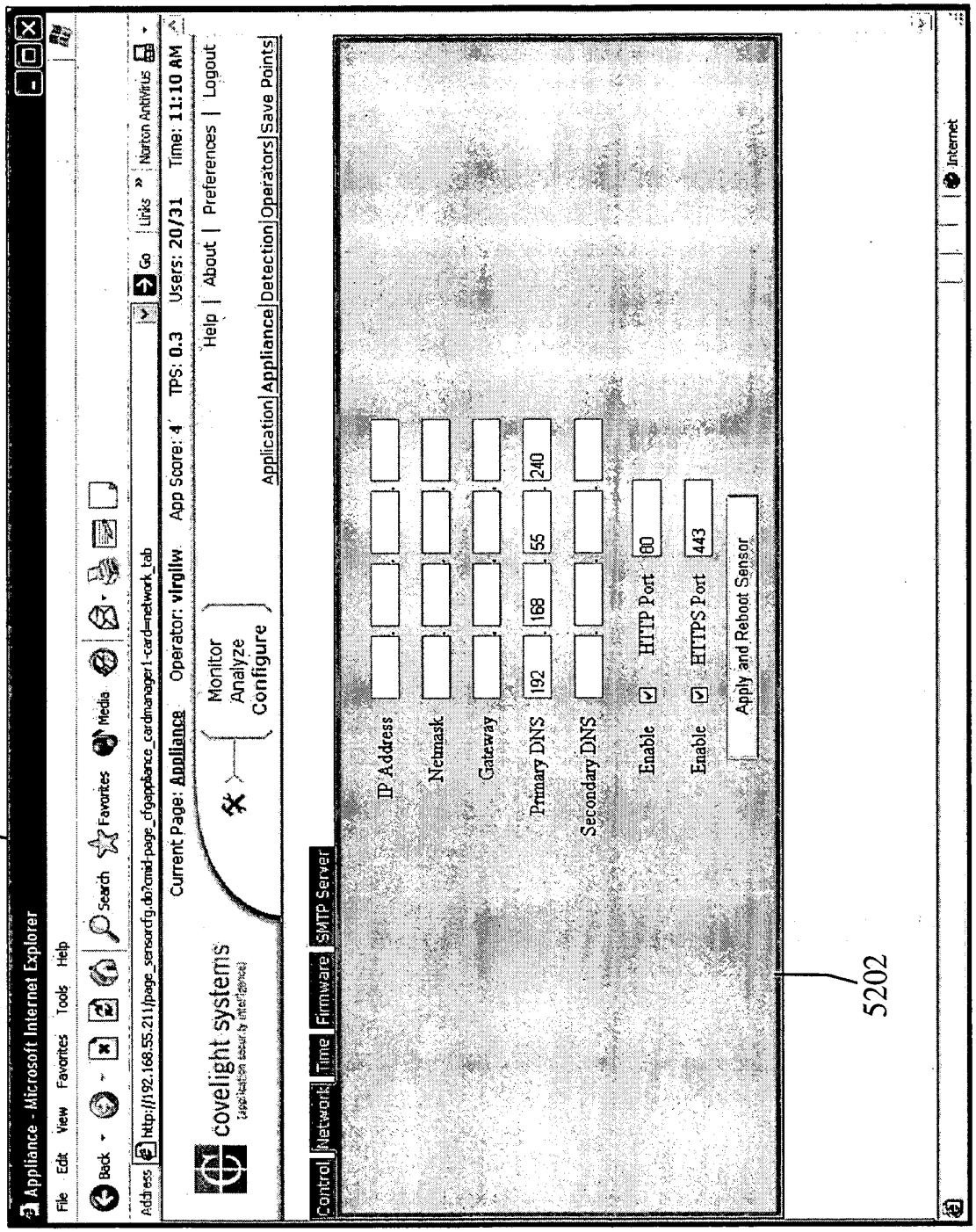
5200
5202
Appliance - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://192.168.55.211/page_sensorcfg.do?cmd=page_cfgappliance_cardmanager1-card=network_tab
Links Norton AntiVirus
Current Page: Appliance Operator: virgilw App Score: 4 TPS: 0.3 Users: 20/31 Time: 11:10 AM
covelight systems
Monitor
Analyze
Configure
Help | About | Preferences | Logout
Application Appliance Detection Operators Save Points
Control Network Time Firmware SMTP Server
IP Address
Netmask
Gateway
Primary DNS 192 168 55 240
Secondary DNS
Enable HTTP Port 80
Enable HTTPS Port 443
Apply and Reboot Sensor
Internet

FIG. 52

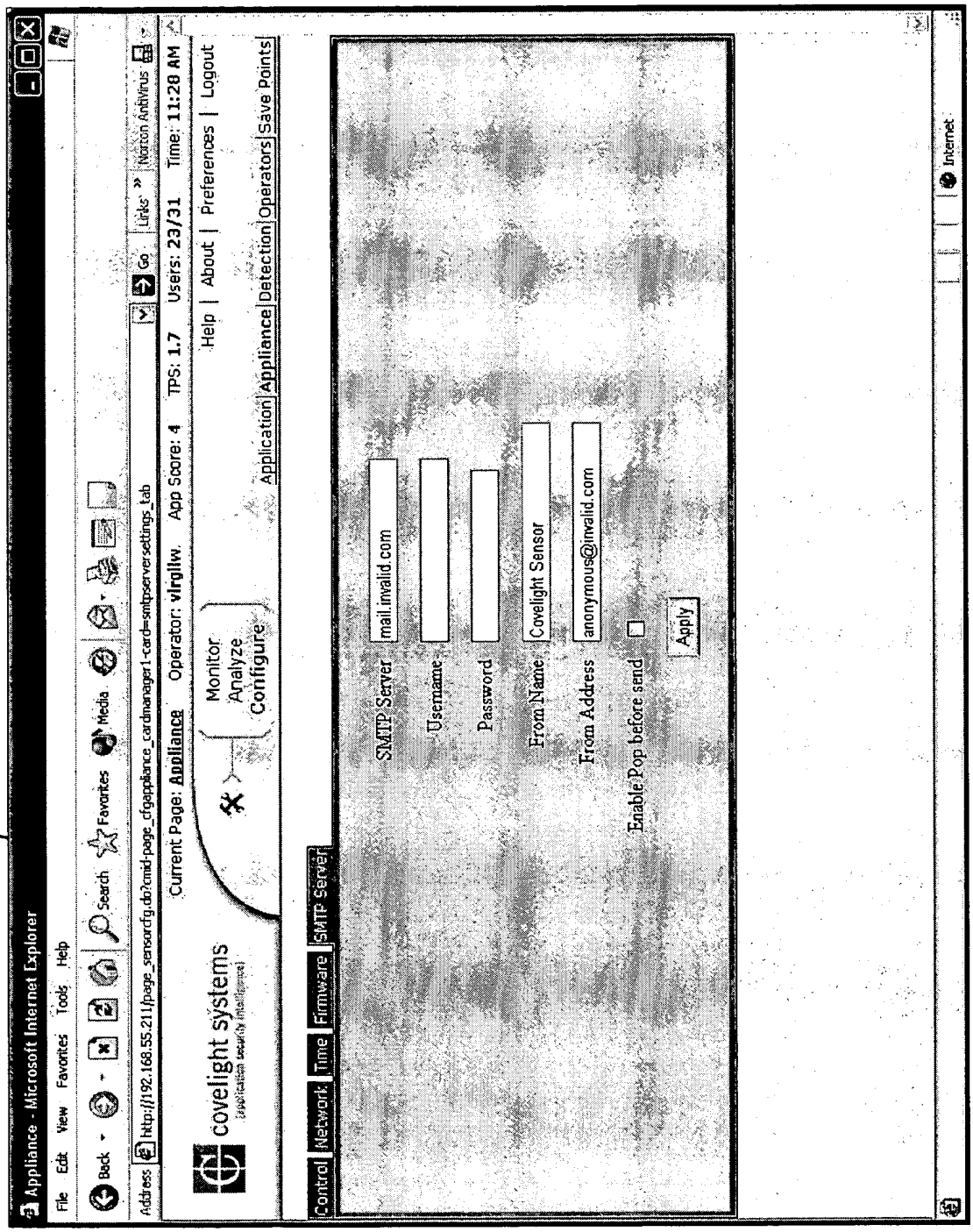
5300
Appliance - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://192.168.55.211/page_sensorcfg.do?cmd=page_cfgappliance_cardmanager1-card=smtpserversettings_tab
Go Links Norton AntiVirus
Current Page: Appliance Operator: virgilw. App Score: 4 TPS: 1.7 Users: 23/31 Time: 11:28 AM
covelight systems
Monitor
Analyze
Configure
Help | About | Preferences | Logout
Application Appliance Detection Operators Save Points
Control Network Time Firmware SMTP Server
SMTP Server mail.invalid.com
Username
Password
From Name Covelight Sensor
From Address anonymous@invalid.com
Enable Pop before send
Apply
Internet

FIG. 53

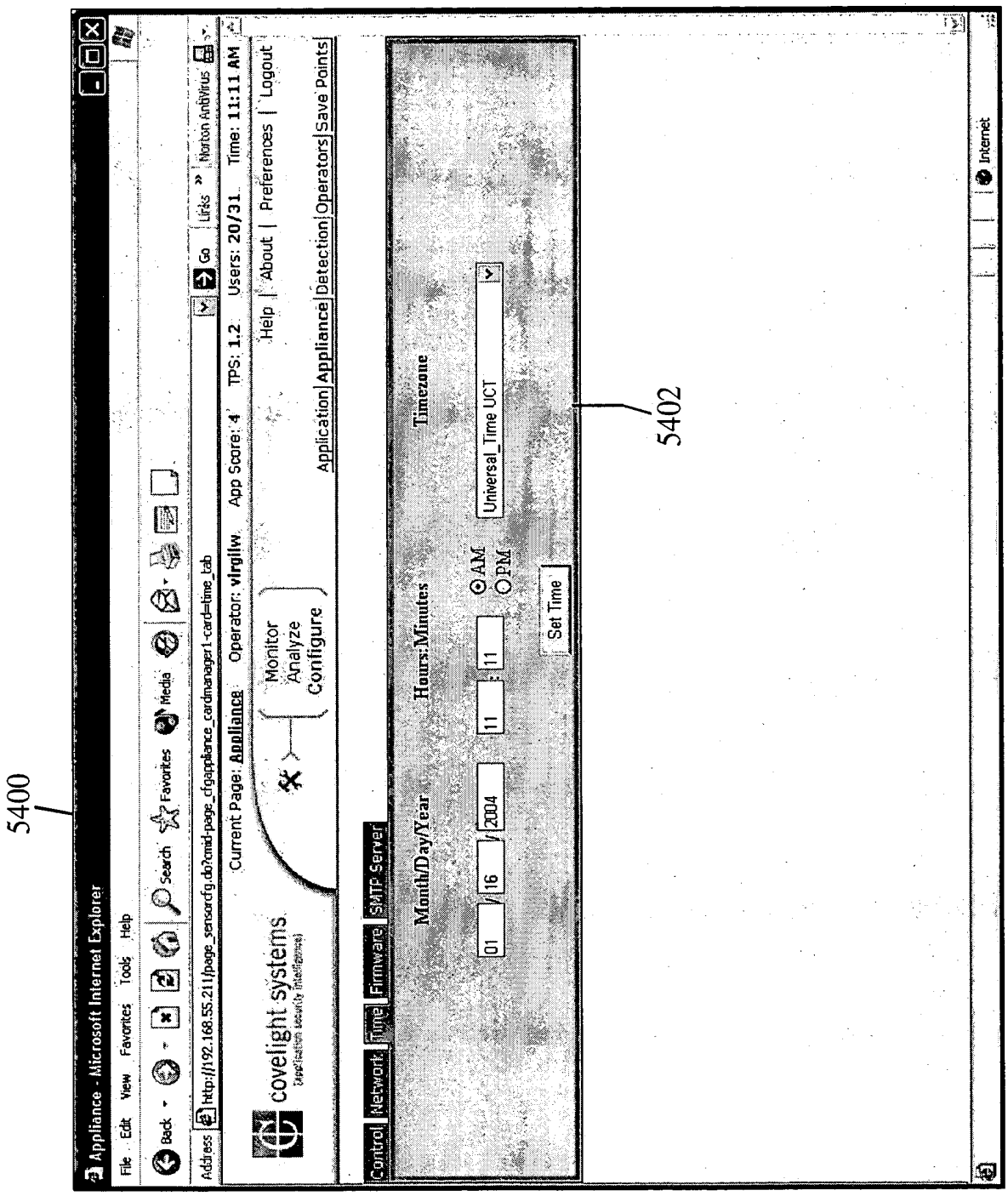
5400
Appliance - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://192.168.55.211/page_sensorcfg.do?cmd=page_cfgappliance_cardmanager1-card=time_tab
Go Links Norton AntiVirus
Current Page: Appliance Operator: virgilw App Score: 4 TPS: 1.2 Users: 20/31 Time: 11:11 AM
covelight systems
Monitor
Analyze
Configure
Help | About | Preferences | Logout
Application Appliance Detection Operators Save Points
Control Network Time Firmware SMTP Server
Month/Day/Year
Hours:Minutes
Timezone
01 / 16 / 2004
11 : 11
AM
PM
Universal_Time UCT
Set Time
5402
Internet

FIG. 54

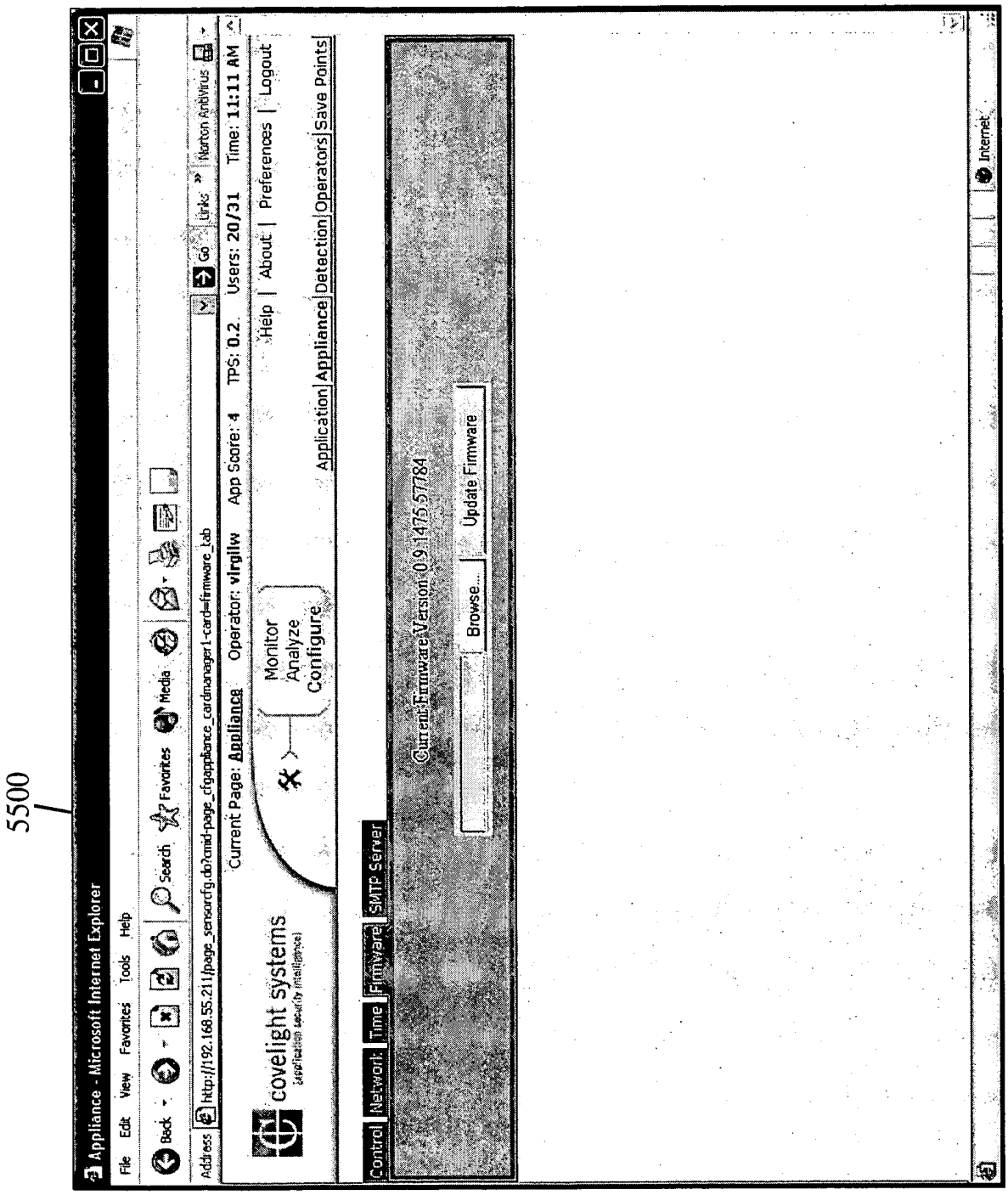
5500
Appliance - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://192.168.55.211/page_sensorcfg.do?cmd=page_cfgappliance_cardmanager1-card=firmware_tab
Norton AntiVirus
Current Page: Appliance Operator: virgilw App Score: 4 TPS: 0.2 Users: 20/31 Time: 11:11 AM
Help | About | Preferences | Logout
coveright systems
Monitor
Analyze
Configure
Application Appliance Detection Operators Save Points
Control Network Time Firmware SMTP Server
Current Firmware Version: 0.9.1475.57784
Browse...
Update Firmware
Internet

FIG. 55

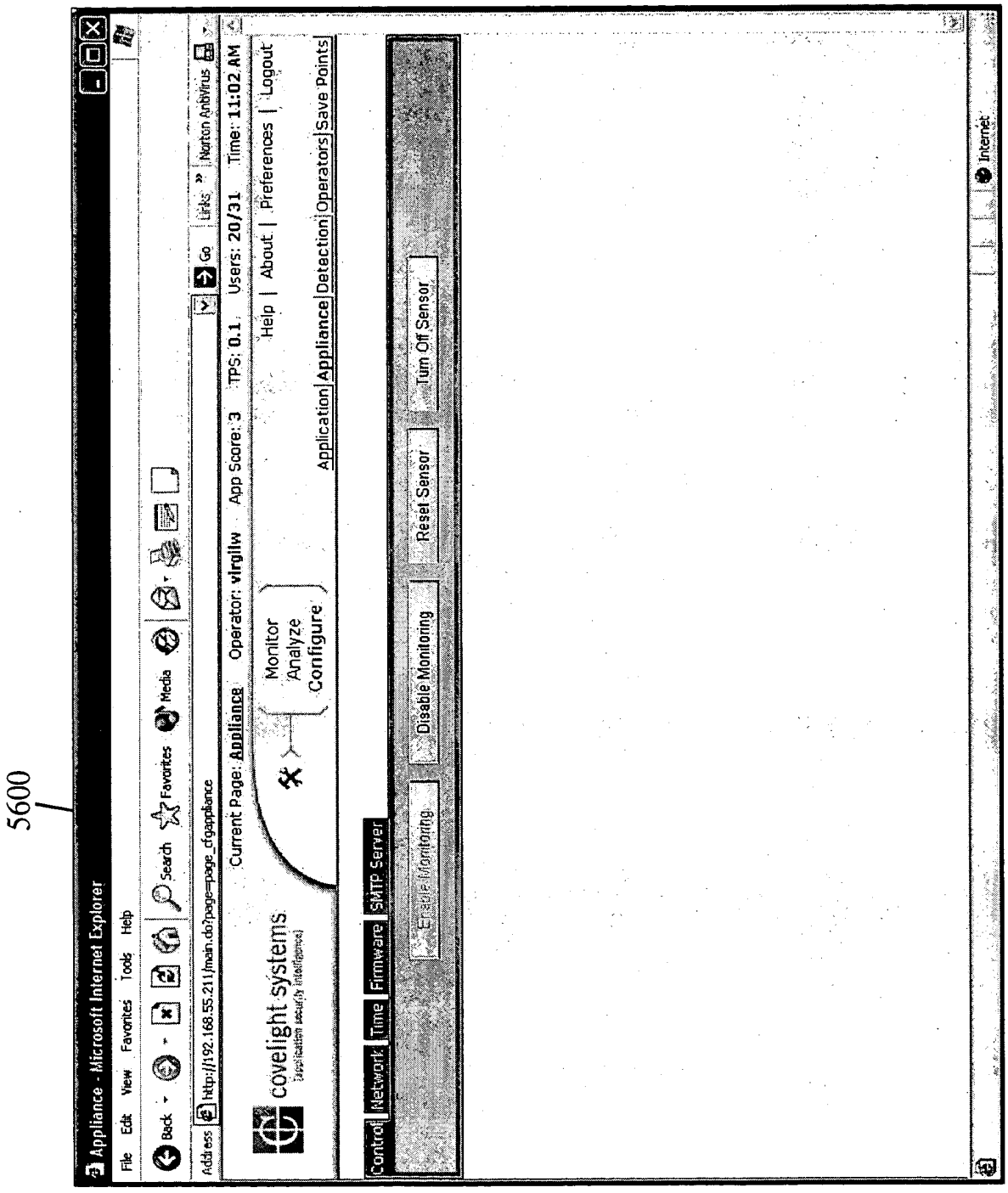
5600
Appliance - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://192.168.55.211/main.do?page=page_cfgappliance
Go Links Norton AntiVirus
Current Page: Appliance Operator: virgilw App Score: 3 TPS: 0.1 Users: 20/31 Time: 11:02 AM
Help | About | Preferences | Logout
coveright systems
Monitor
Analyze
Configure
Application Appliance Detection Operators Save Points
Control Network Time Firmware SMTP Server
Enable Monitoring
Disable Monitoring
Reset Sensor
Turn Off Sensor
Internet

FIG. 56

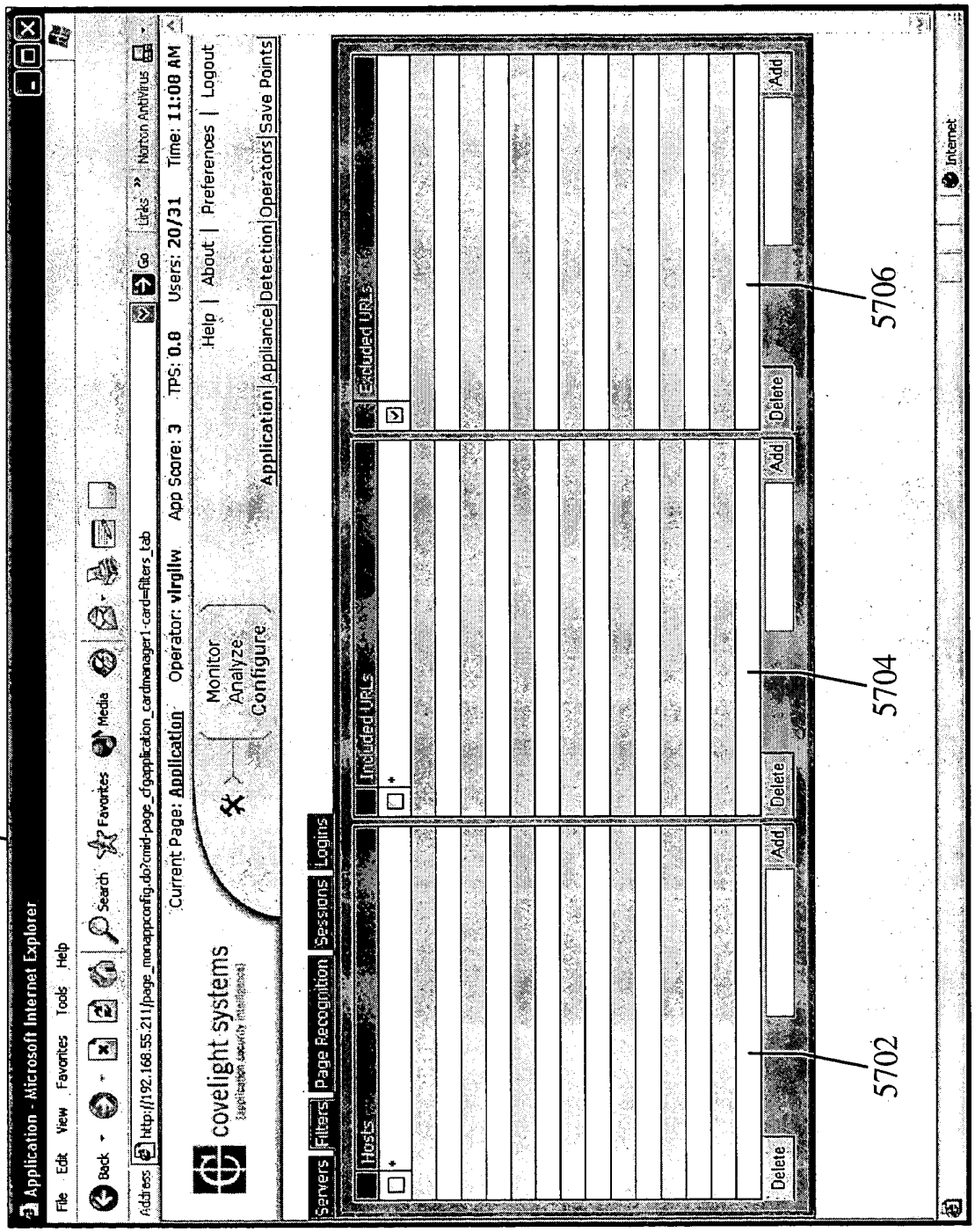
5700
Application - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://192.168.55.211/page_monappconfig.do?cmid=page_cfgapplication_cardmanager1-card=filters_tab
Go Links Norton AntiVirus
Current Page: Application Operator: virgilw App Score: 3 TPS: 0.0 Users: 20/31 Time: 11:08 AM
Help | About | Preferences | Logout
coverlight systems
Monitor
Analyze
Configure
Application Appliance Detection Operators Save Points
Servers Filters Page Recognition Sessions Logins
Hosts
Included URLs
Excluded URLs
Delete Add
5702
5704
5706
Internet

FIG. 57

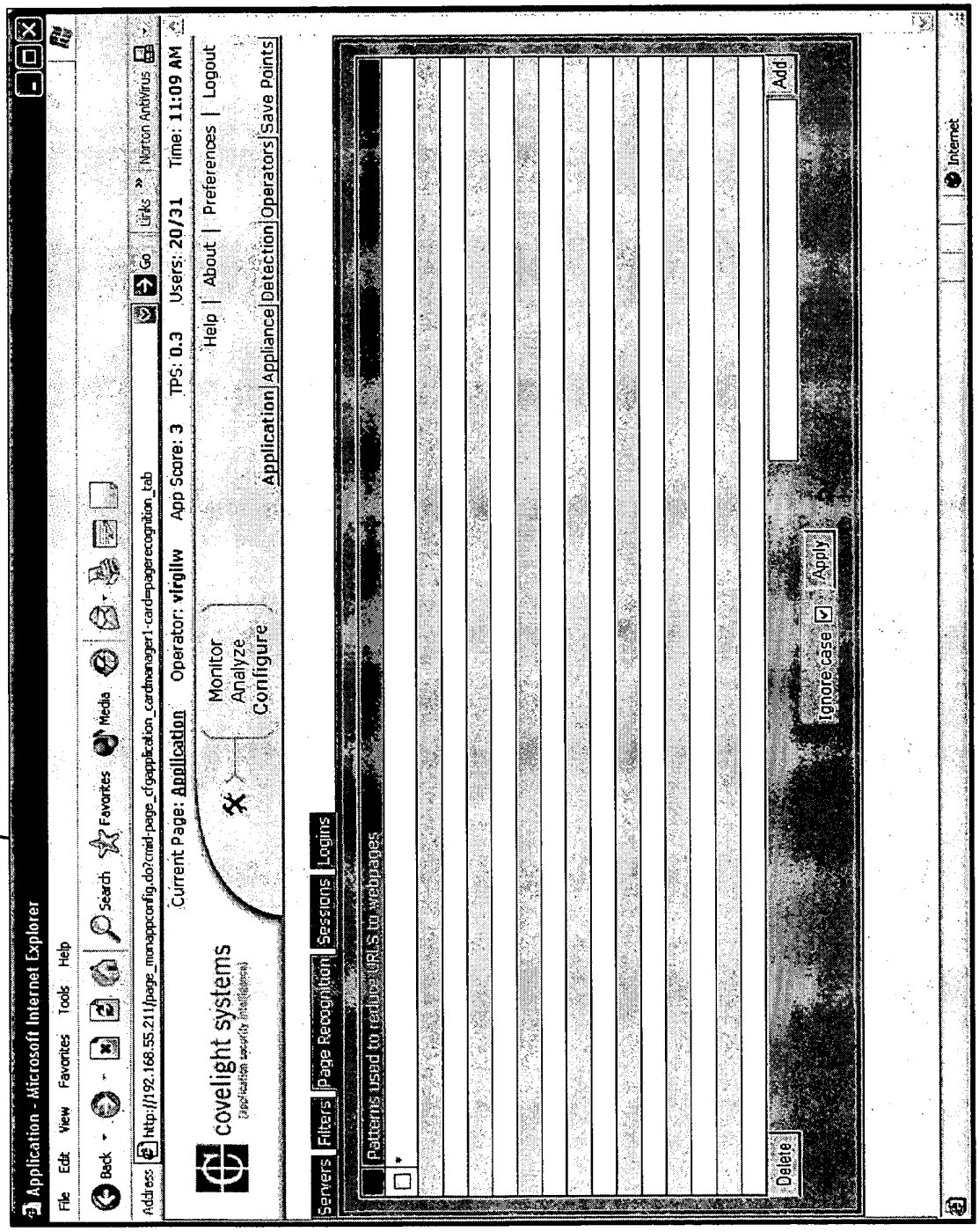
5800
Application - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://192.168.55.211/page_monappconfig.do?cmd=page_cfg&application_card=manager1-card=pagerecognition_tab
Go Links Norton AntiVirus
Current Page: Application Operator: virgilw App Score: 3 TPS: 0.3 Users: 20/31 Time: 11:09 AM
Help | About | Preferences | Logout
covelight systems
Application Intelligence
Monitor
Analyze
Configure
Application Appliance Detection Operators Save Points
Servers Filters Page Recognition Sessions Logins
Patterns used to resolve URLS to webpages
Delete
Ignore case
Apply
Add
Internet

FIG. 58

REPLACEMENT SHEET
Title: METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR MONITORING PROTOCOL RESPONSES FOR A SERVER APPLICATION
Applicant(s): Motsinger et al.
Atty. Docket No.: 1503/9

5900

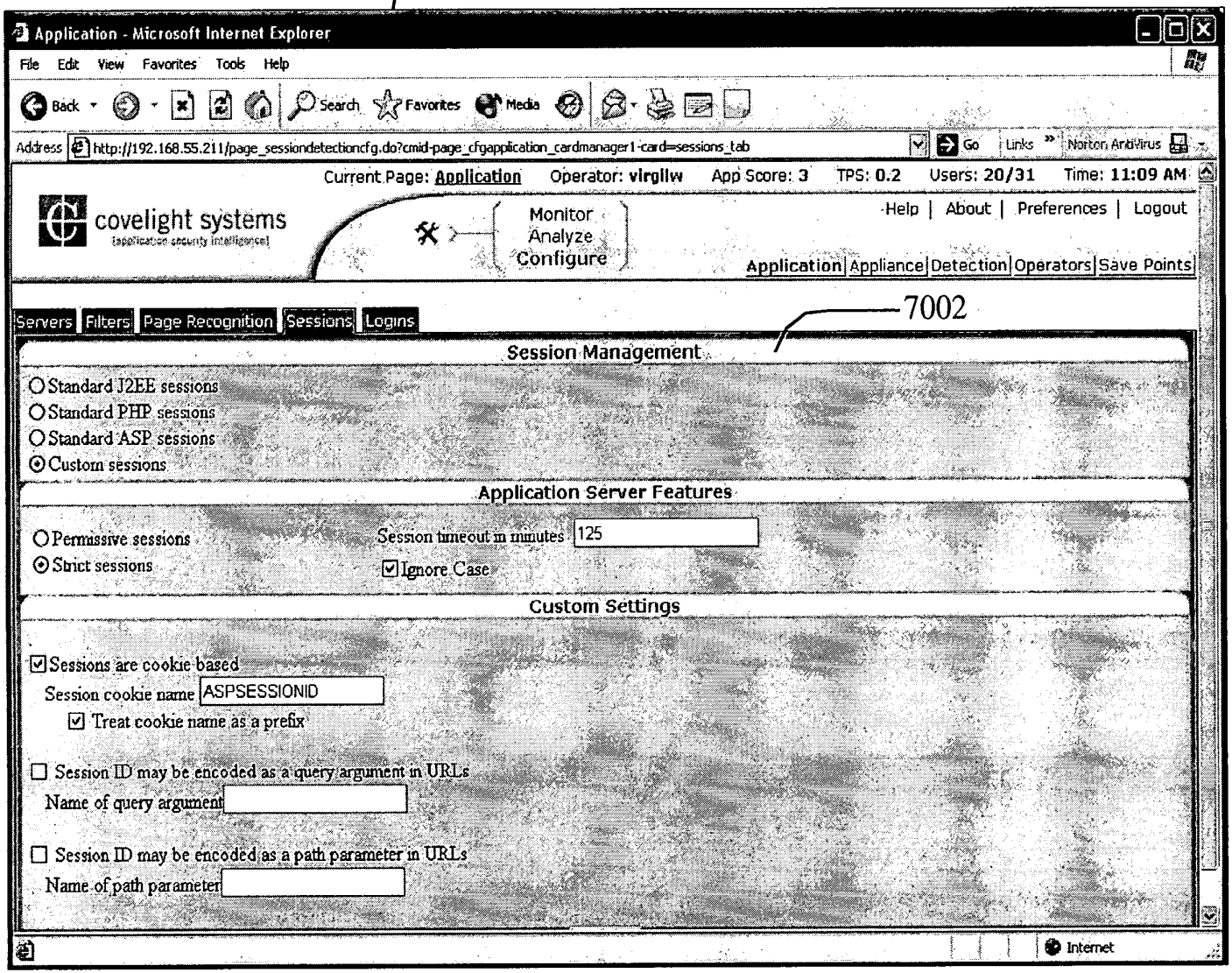

FIG. 59

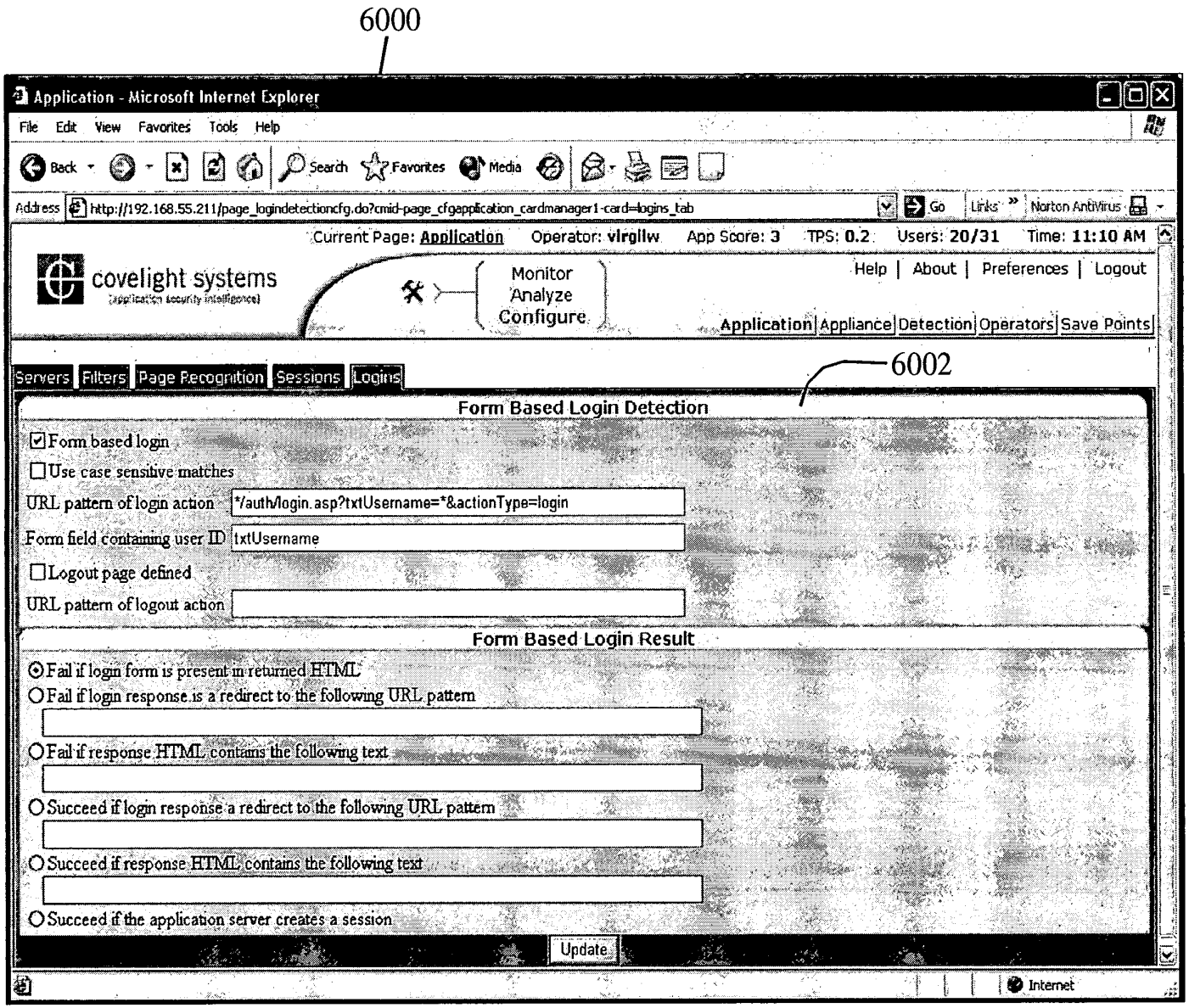

FIG. 60

REPLACEMENT SHEET
Title: METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR MONITORING PROTOCOL RESPONSES FOR A SERVER APPLICATION
Applicant(s): Motsinger et al.
Atty. Docket No.: 1503/9

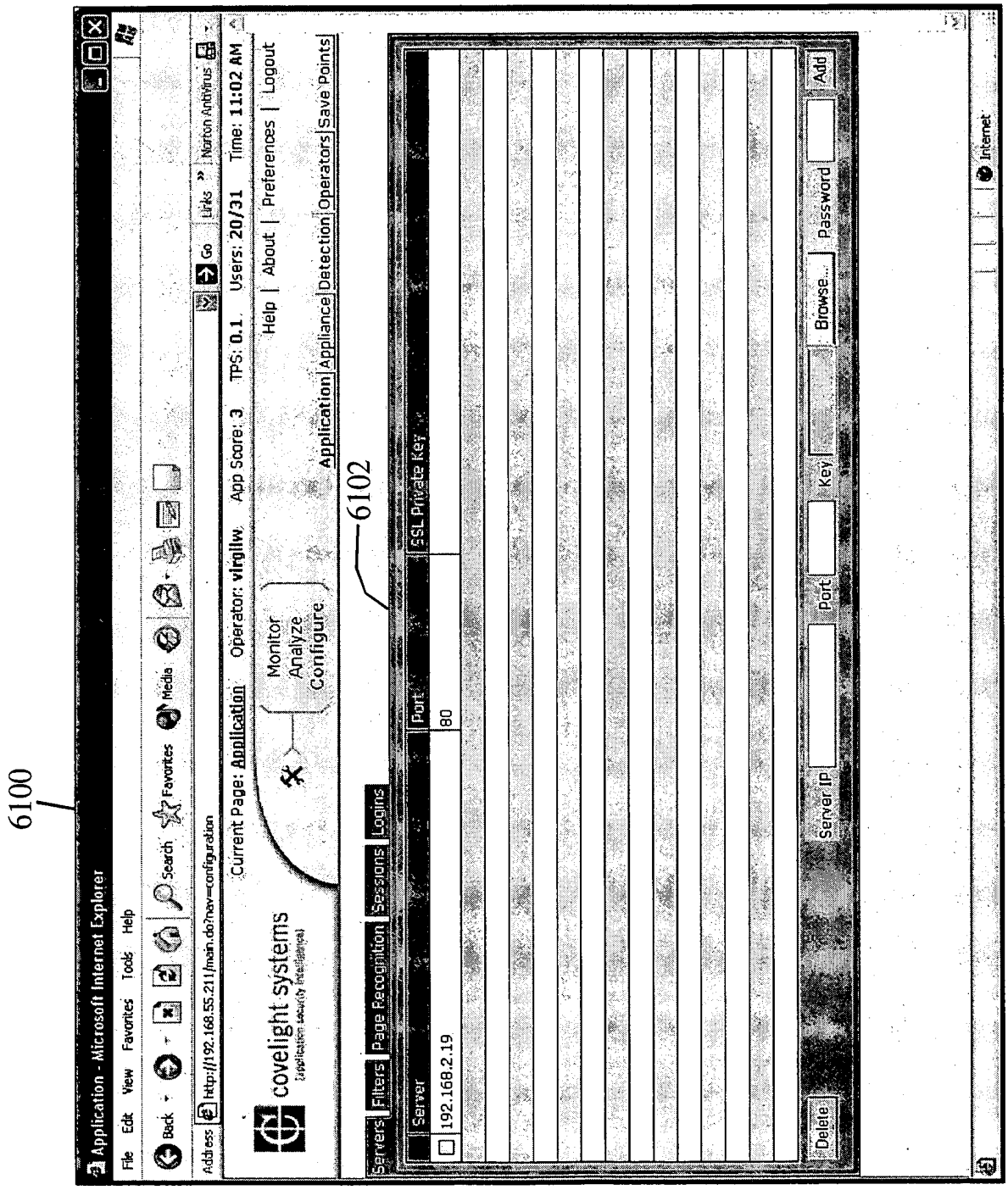
6100
6102
Application - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://192.168.55.211/main.do?nav=configuration
Go Links Norton AntiVirus
Current Page: Application Operator: virgilw App Score: 3 TPS: 0.1 Users: 20/31 Time: 11:02 AM
coveright systems
Monitor
Analyze
Configure
Help | About | Preferences | Logout
Application Appliance Detection Operators Save Points
Servers Filters Page Recognition Sessions Logins
Server
Port
SSL Private Key
192.168.2.19
80
Delete
Server IP
Port
Key
Browse...
Password
Add
Internet

FIG. 61

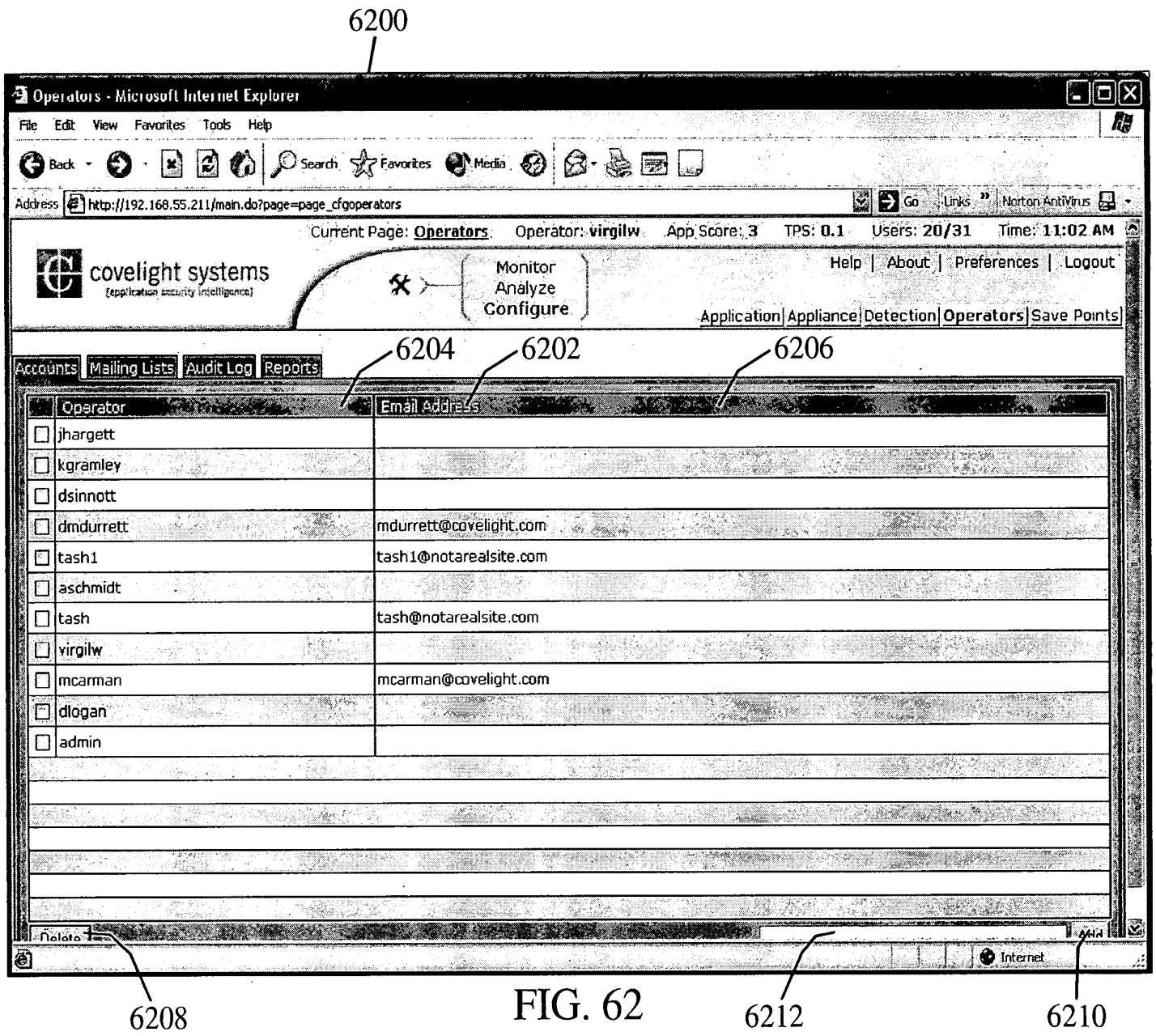

FIG. 62

REPLACEMENT SHEET
Title: METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR MONITORING PROTOCOL RESPONSES FOR A SERVER APPLICATION
Applicant(s): Motsinger et al.
Atty. Docket No.: 1503/9

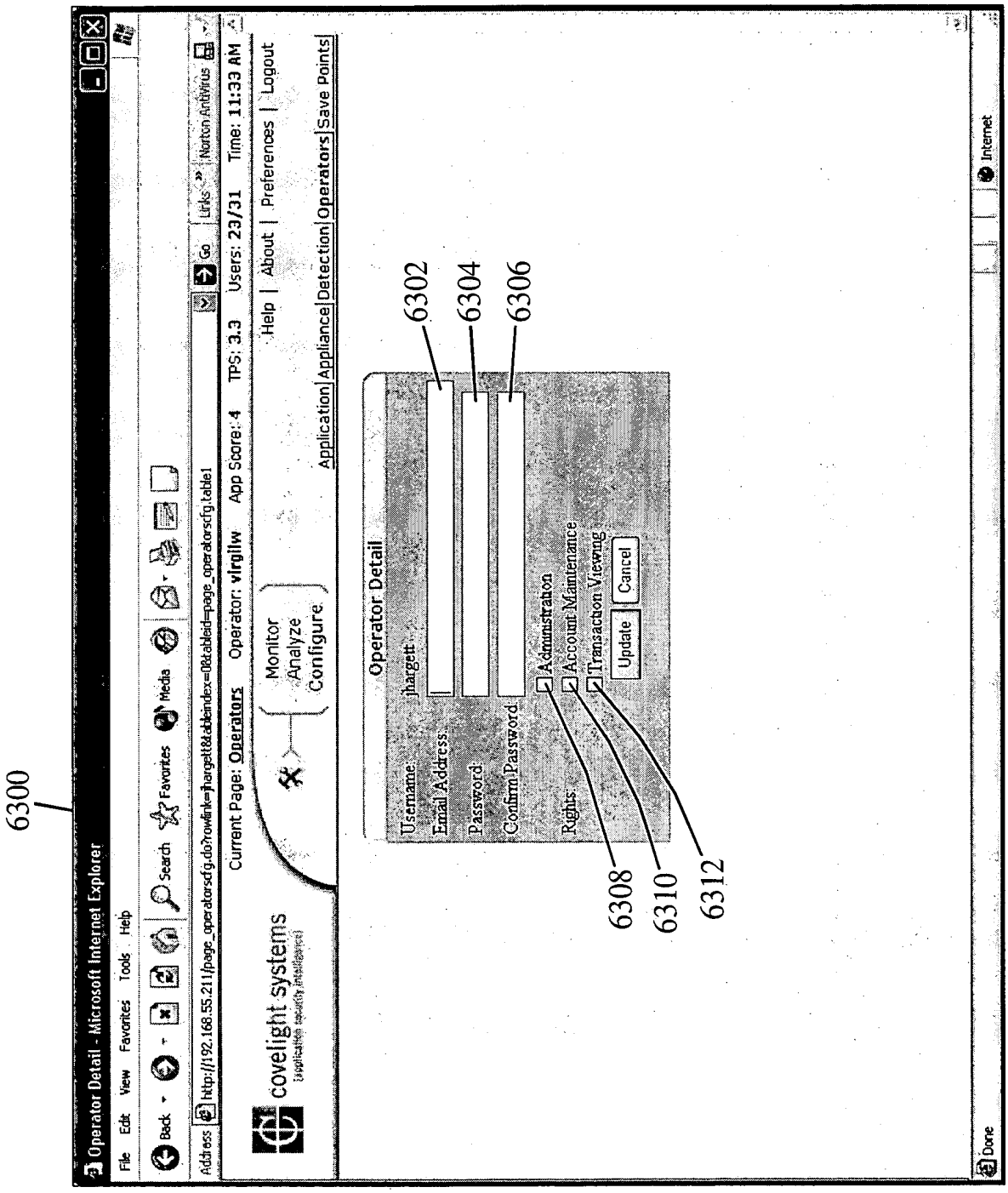
6300
Operator Detail - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://192.168.55.211/page_operatorsdfg.do?rowlink=jhargett&tableindex=0&tableid=page_operatorsdfg.table1
Go Links Norton AntiVirus
Current Page: Operators Operator: virgilw App Score: 4 TPS: 3.3 Users: 23/31 Time: 11:33 AM
Help | About | Preferences | Logout
coveright systems
Monitor
Analyze
Configure
Application Appliance Detection Operators Save Points
Operator Detail
Username: jhargett
Email Address:
Password:
Confirm Password:
Rights:
Administration
Account Maintenance
Transaction Viewing
Update
Cancel
6302
6304
6306
6308
6310
6312
Done
Internet

FIG. 63

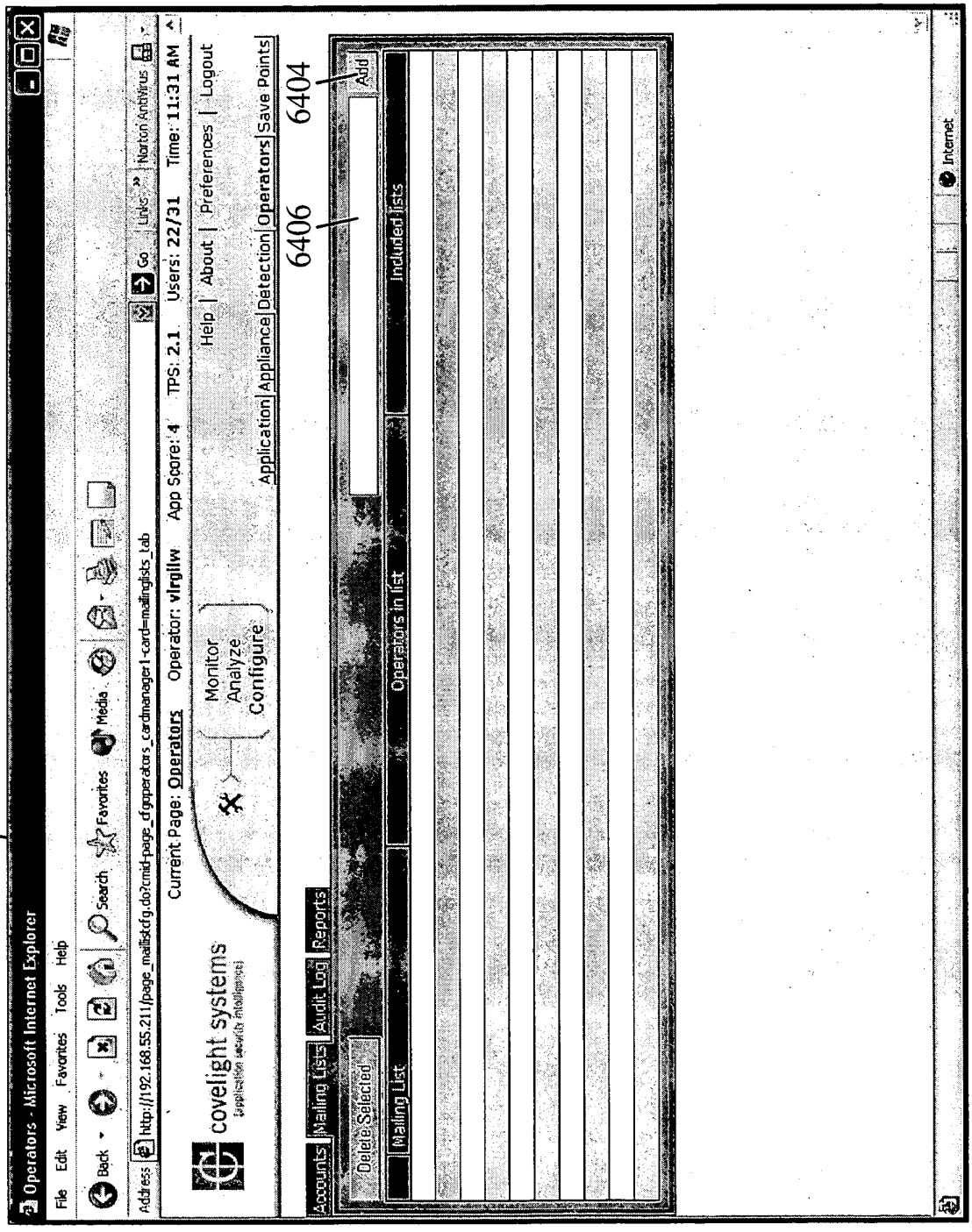
6400
Operators - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://192.168.55.211/page_mailistcfg.do?cmid=page_cfgoperators_cardmanager1-card=mailinglists_tab
Go Links Norton AntiVirus
Current Page: Operators Operator: virgilw App Score: 4 TPS: 2.1 Users: 22/31 Time: 11:31 AM
Help | About | Preferences | Logout
coveLight systems
Application security intelligence
Monitor
Analyze
Configure
Application Appliance Detection Operators Save Points
6406
6404
Accounts Mailing Lists Audit Log Reports
Delete Selected
Add
Mailing List
Operators in list
Included lists
Internet

FIG. 64

REPLACEMENT SHEET
Title: METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR MONITORING PROTOCOL RESPONSES FOR A SERVER APPLICATION
Applicant(s): Motsinger et al.
Atty. Docket No.: 1503/9

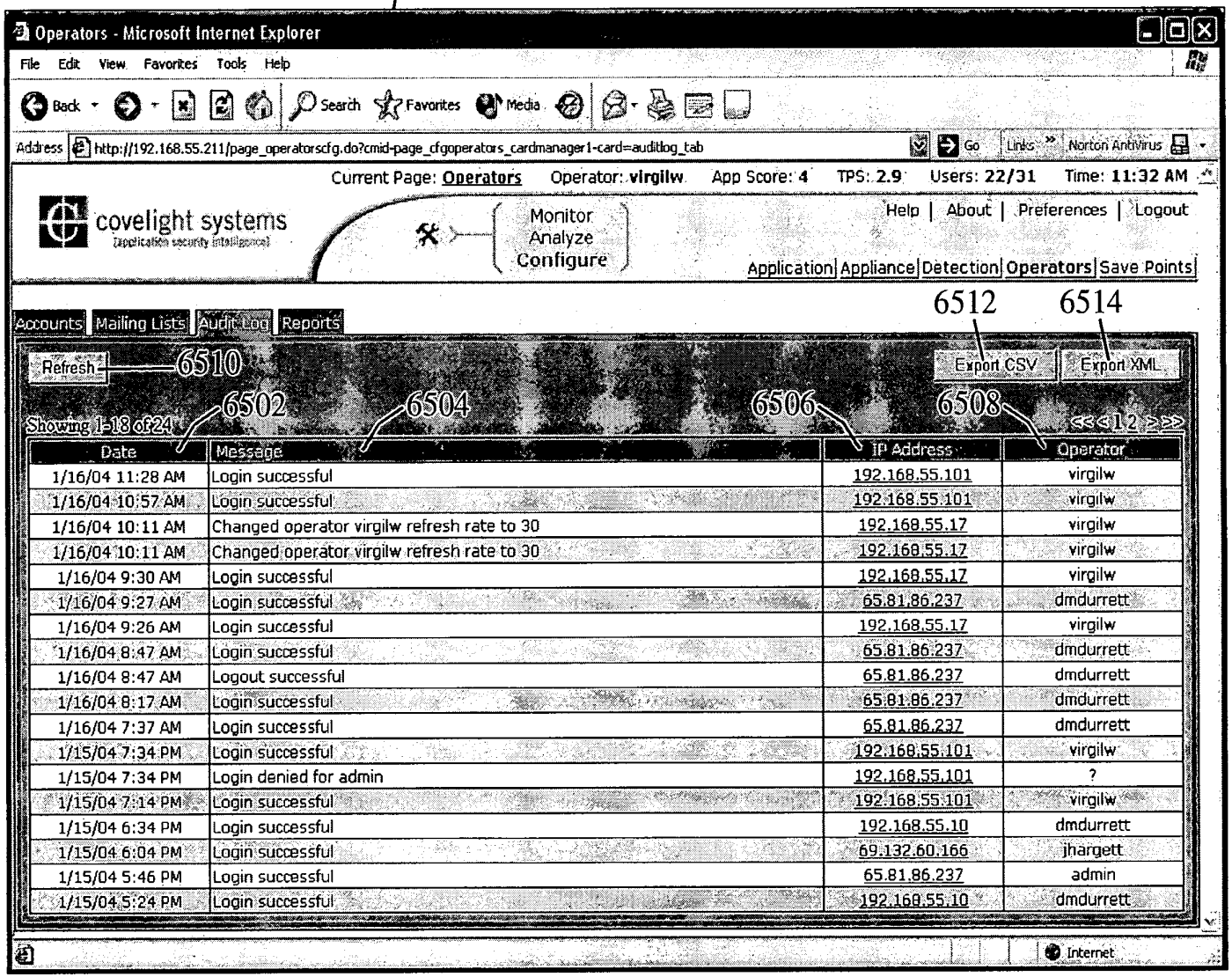

FIG. 65

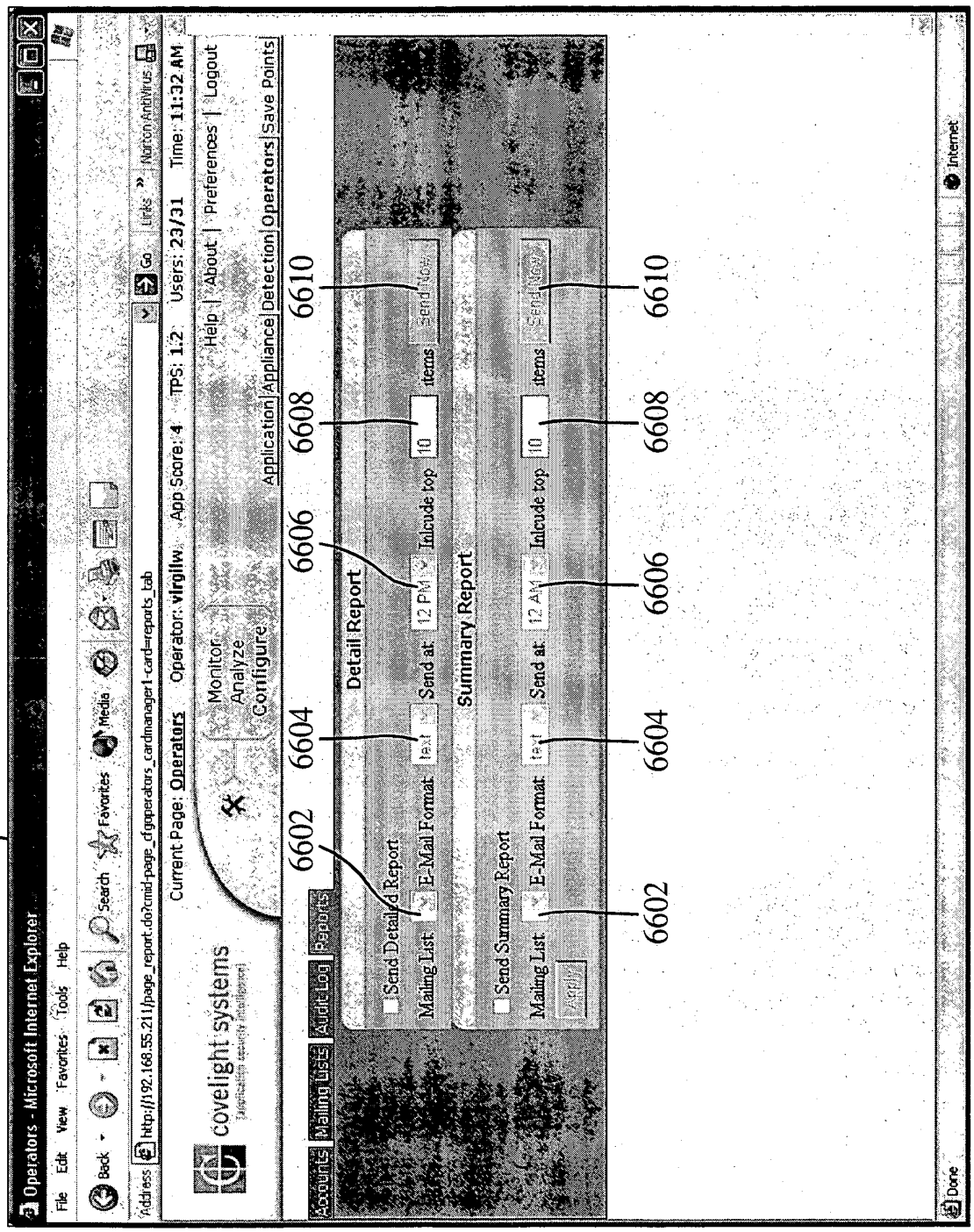
6600
Operators - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://192.168.55.211/page_report.do?cmid=page_cfgoperators_cardmanager1-card=reports_tab
Go Links Norton AntiVirus
Current Page: Operators Operator: virgilw App Score: 4 TPS: 1.2 Users: 23/31 Time: 11:32 AM
covelight systems
Monitor
Analyze
Configure
Help About Preferences Logout
Application Appliance Detection Operators Save Points
Accounts Mailing Lists Audit Log Reports
Detail Report
Send Detail Report
Mailing List E-Mail Format Text Send at: 12 PM Include top 10 items Send Now
Summary Report
Send Summary Report
Mailing List E-Mail Format Text Send at: 12 AM Include top 10 items Send Now
Apply
Done
Internet
6602
6604
6606
6608
6610

FIG. 66

6700

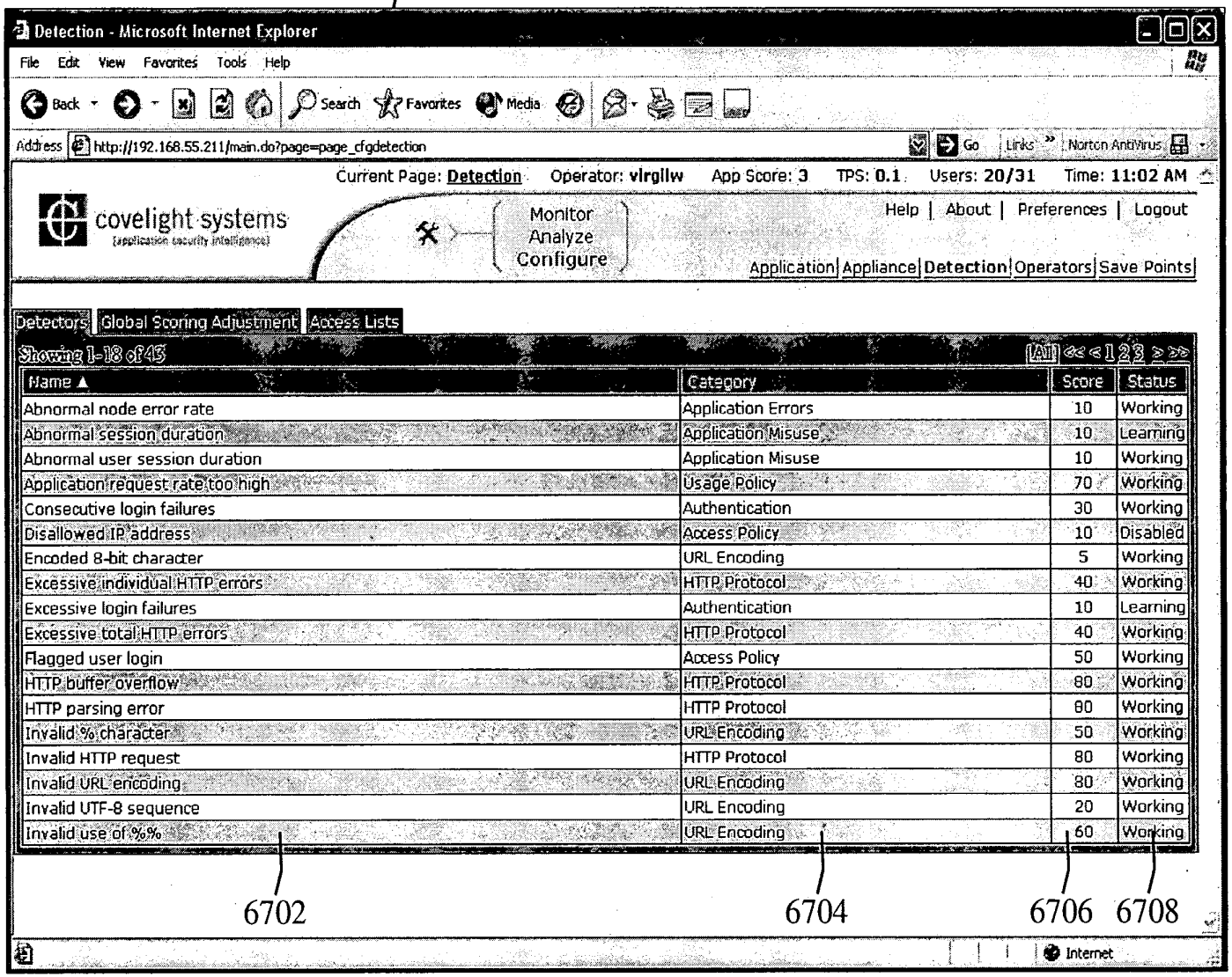
Detection - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://192.168.55.211/main.do?page=page_cfgdetection
Go Links Norton AntiVirus
Current Page: Detection Operator: virgilw App Score: 3 TPS: 0.1 Users: 20/31 Time: 11:02 AM
covelight systems
(application security intelligence)
Monitor
Analyze
Configure
Help | About | Preferences | Logout
Application | Appliance | Detection | Operators | Save Points
Detectors | Global Scoring Adjustment | Access Lists
Showing 1-18 of 45
[All] << < 1 2 3 > >>
Name ▲ | Category | Score | Status
Abnormal node error rate | Application Errors | 10 | Working
Abnormal session duration | Application Misuse | 10 | Learning
Abnormal user session duration | Application Misuse | 10 | Working
Application request rate too high | Usage Policy | 70 | Working
Consecutive login failures | Authentication | 30 | Working
Disallowed IP address | Access Policy | 10 | Disabled
Encoded 8-bit character | URL Encoding | 5 | Working
Excessive individual HTTP errors | HTTP Protocol | 40 | Working
Excessive login failures | Authentication | 10 | Learning
Excessive total HTTP errors | HTTP Protocol | 40 | Working
Flagged user login | Access Policy | 50 | Working
HTTP buffer overflow | HTTP Protocol | 80 | Working
HTTP parsing error | HTTP Protocol | 80 | Working
Invalid % character | URL Encoding | 50 | Working
Invalid HTTP request | HTTP Protocol | 80 | Working
Invalid URL encoding | URL Encoding | 80 | Working
Invalid UTF-8 sequence | URL Encoding | 20 | Working
Invalid use of %% | URL Encoding | 60 | Working
6702
6704
6706
6708
Internet

FIG. 67

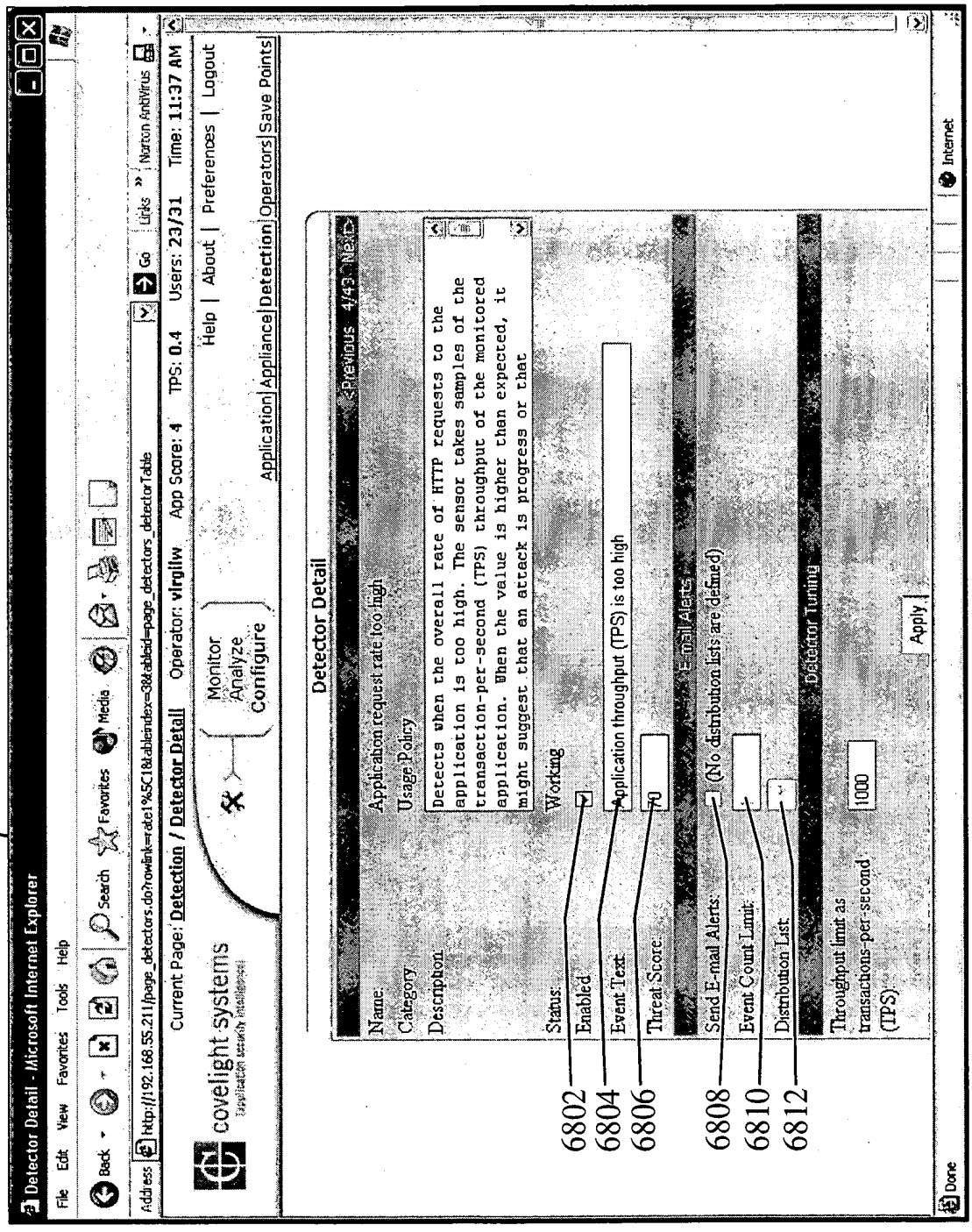
6800
Detector Detail - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://192.168.55.211/page_detectors.do?rowlink=rate1%5C1&tableindex=38&tableid=page_detectors_detectorTable
Go Links Norton AntiVirus
Current Page: Detection / Detector Detail Operator: virgilw App Score: 4 TPS: 0.4 Users: 23/31 Time: 11:37 AM
covelight systems
Monitor
Analyze
Configure
Help | About | Preferences | Logout
Application Appliance Detection Operators Save Points
Detector Detail
Previous 4/43 Next
Name: Application request rate too high
Category: Usage Policy
Description: Detects when the overall rate of HTTP requests to the application is too high. The sensor takes samples of the transaction-per-second (TPS) throughput of the monitored application. When the value is higher than expected, it might suggest that an attack is progress or that
Status: Working
Enabled
Event Text: Application throughput (TPS) is too high
Threat Score: 70
E-mail Alerts
Send E-mail Alerts: (No distribution lists are defined)
Event Count Limit:
Distribution List:
Detector Tuning
Throughput limit as transactions-per-second (TPS): 1000
Apply
Done
Internet
6802
6804
6806
6808
6810
6812

FIG. 68

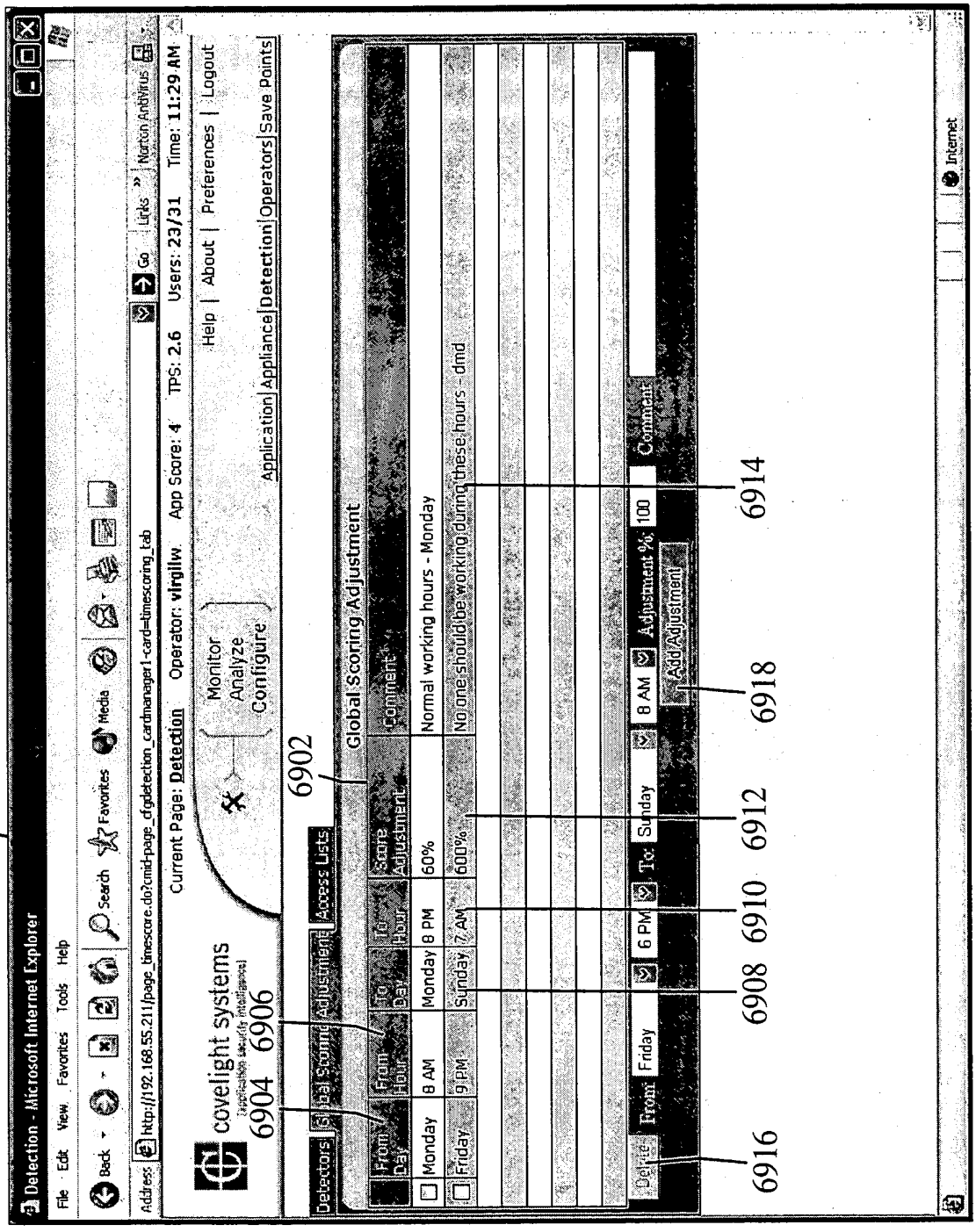
6900
Detection - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://192.168.55.211/page_timescore.do?cmid=page_dfgdetection_cardmanager1-card=timescoring_tab
Go Links Norton AntiVirus
Current Page: Detection Operator: virgilw App Score: 4 TPS: 2.6 Users: 23/31 Time: 11:29 AM
Help | About | Preferences | Logout
covelight systems
Monitor
Analyze
Configure
Application Appliance Detection Operators Save Points
6902
6904
6906
Detectors Global Scoring Adjustment Access Lists
Global Scoring Adjustment
From Day
From Hour
To Day
To Hour
Score Adjustment
Comment
Monday 8 AM Monday 8 PM 60% Normal working hours - Monday
Friday 9 PM Sunday 7 AM 600% No one should be working during these hours - dmd
Delete
From: Friday 6 PM To: Sunday 8 AM
Adjustment %: 100
Add Adjustment
Comment
6908
6910
6912
6914
6916
6918
Internet

FIG. 69

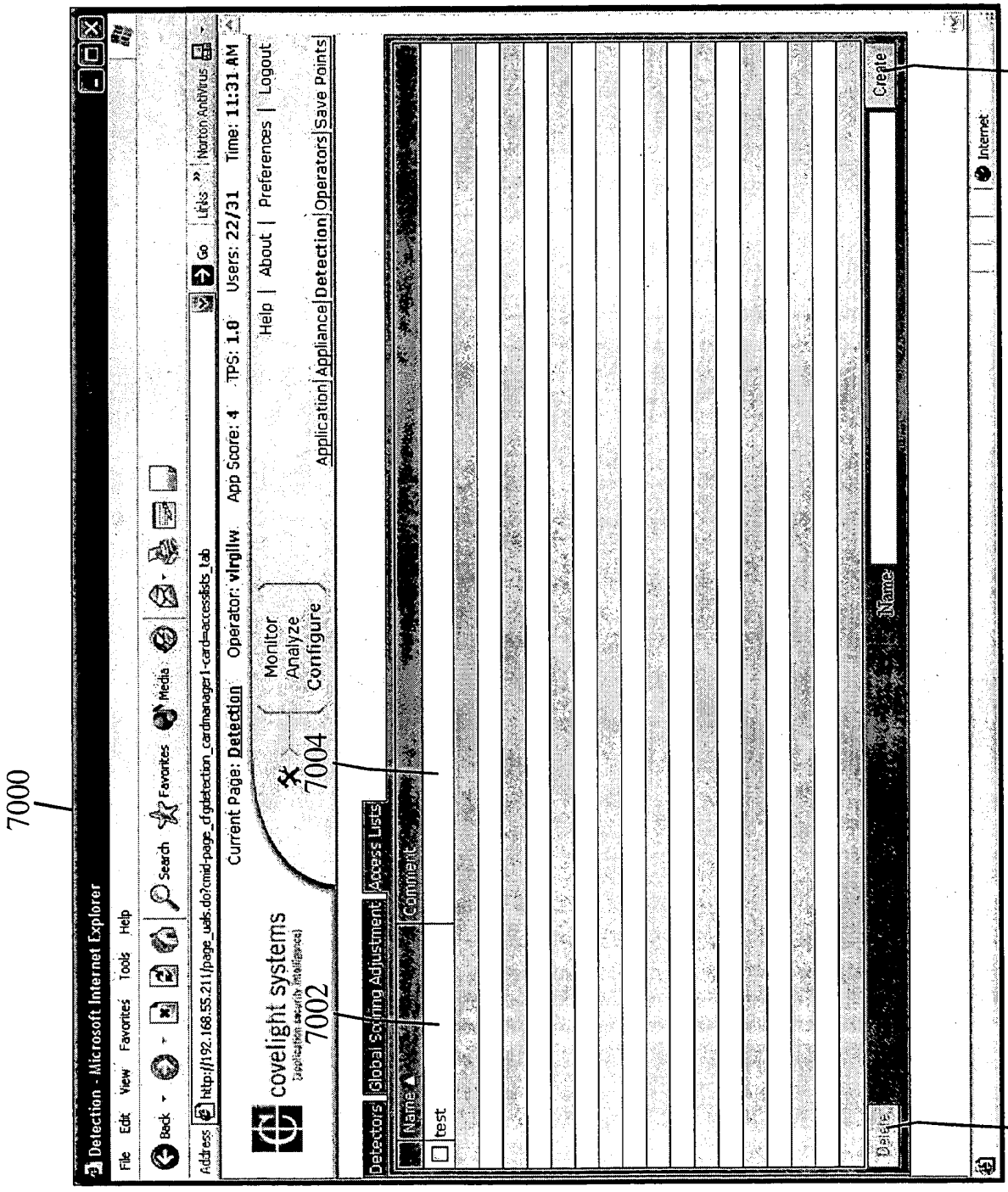
7000
Detection - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://192.168.55.211/page_uafs.do?cmid=page_cfgdetection_cardmanager1-card=accessists_tab
Go Links Norton AntiVirus
Current Page: Detection Operator: virgilw App Score: 4 TPS: 1.0 Users: 22/31 Time: 11:31 AM
Help | About | Preferences | Logout
coveright systems
Application security intelligence
7002
Monitor
Analyze
Configure
7004
Application Appliance Detection Operators Save Points
Detectors Global Scoring Adjustment Access Lists
Name
Comment
test
Delete
Name
Create
7006
7008
Internet

FIG. 70

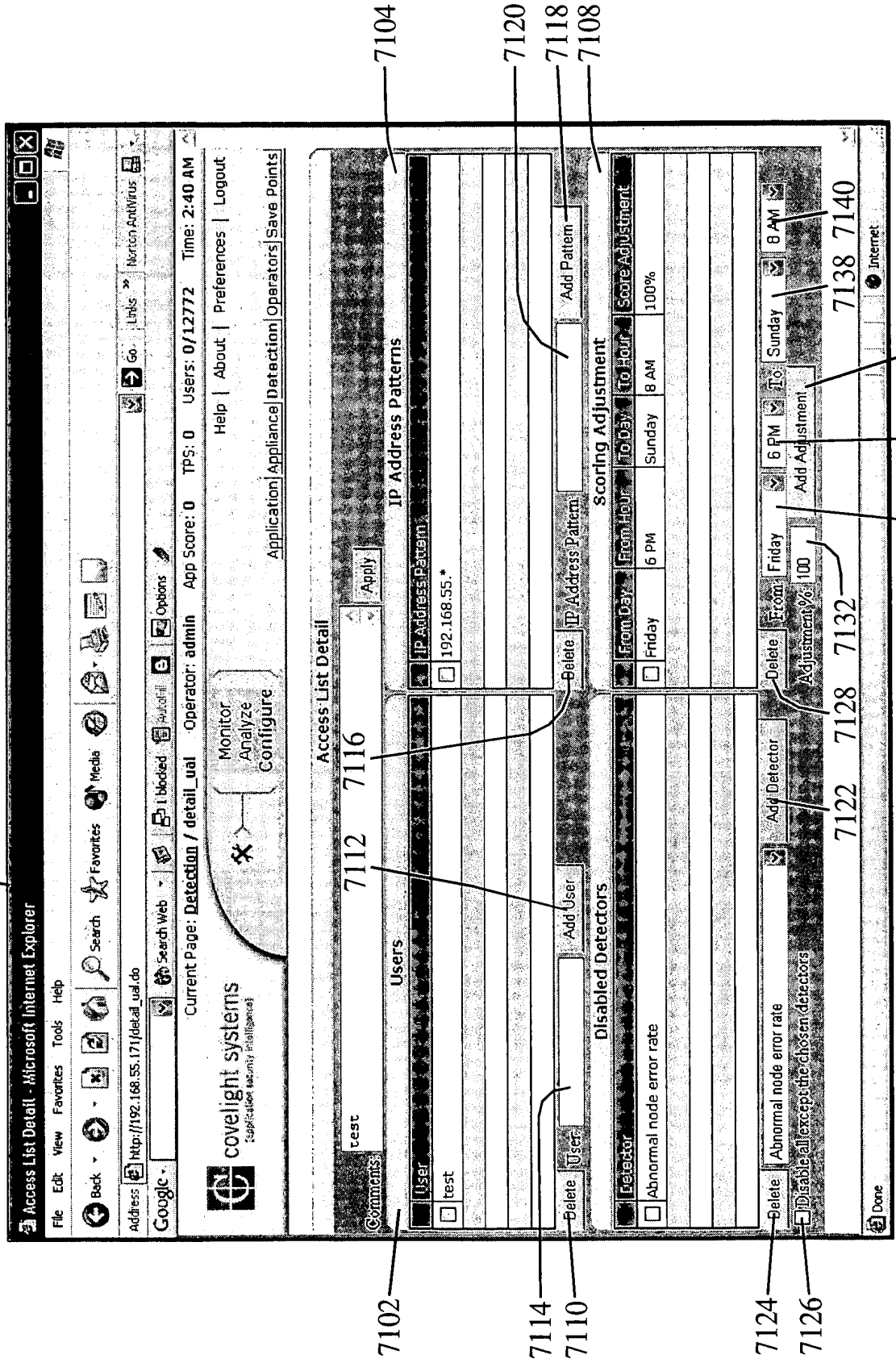
7100
Access List Detail - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://192.168.55.171/detail_ual.do
Google
Current Page: Detection / detail_ual Operator: admin App Score: 0 TPS: 0 Users: 0/12772 Time: 2:40 AM
covelight systems
Monitor Analyze Configure
Help | About | Preferences | Logout
Application Appliance Detection Operators Save Points
Access List Detail
Comments: test
Apply
7104
7120
7118
7108
7112
7116
Users
User
test
Delete
User:
Add User
IP Address Patterns
IP Address Pattern
192.168.55.*
Delete
IP Address Pattern:
Add Pattern
Disabled Detectors
Detector
Abnormal node error rate
Delete
Abnormal node error rate
Add Detector
Scoring Adjustment
From Day
To Day
From Hour
To Hour
Score Adjustment
Friday
6 PM
Sunday
8 AM
100%
Delete
From:
Friday
6 PM
To:
Sunday
8 AM
Add Adjustment
Disable all except the chosen detectors
Adjustment%:
100
7102
7114
7110
7124
7126
7122
7128
7132
7134
7136
7130
7138
7140
Done
Internet

FIG. 71

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